The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

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No. 3050
VOL. CXXIX

JULY 23, 1938

Annual Subscription (with Diary) 20/- *Single Copies* 9*d.*

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LIVER GRANULES
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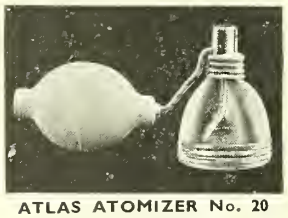

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A nose and throat Atomizer of high quality for oil or water solutions. Gives a fine, continuous spray.

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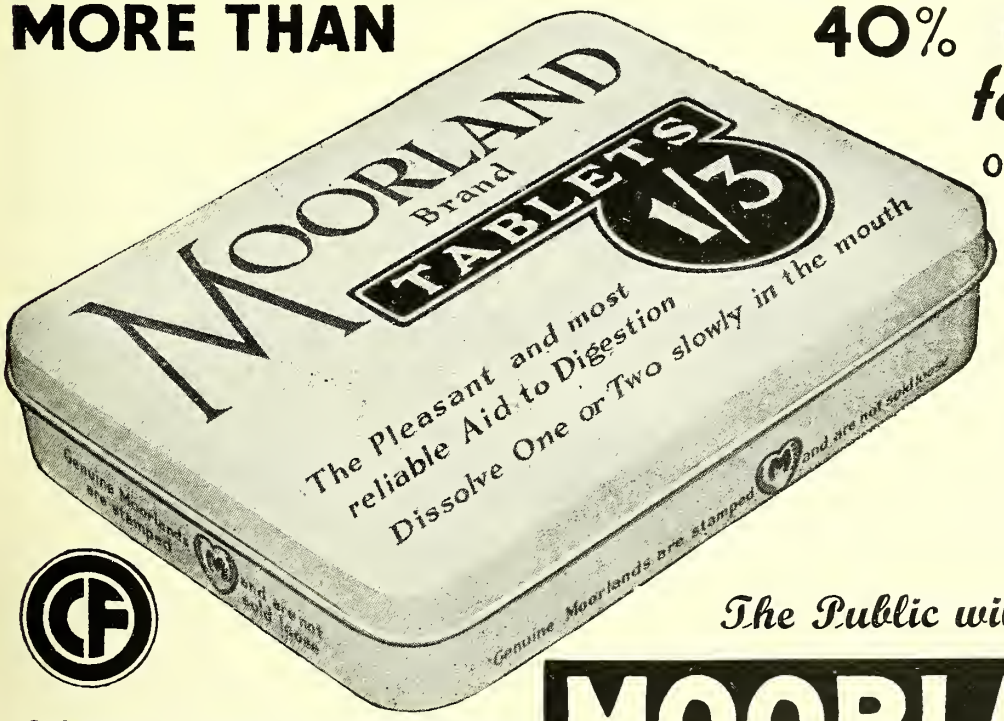

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Order direct, on best terms, and be assured of over 40% profit on an established line in constant and ever increasing demand

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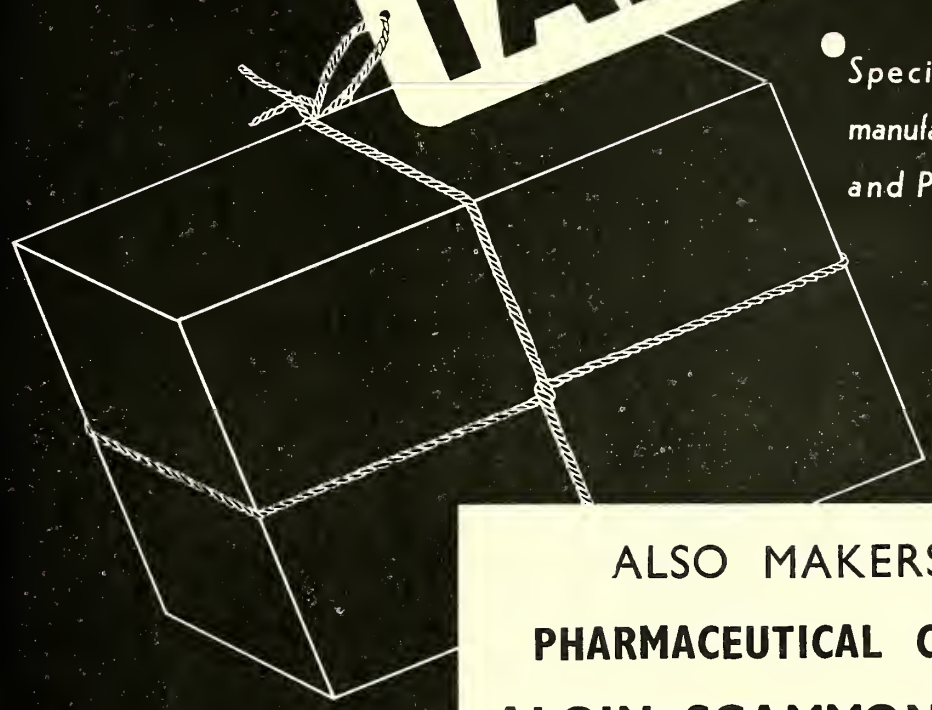

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Sugar coated
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Exceptionally keen prices

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of BRIGHTON

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PRICE LIST

(P.A.T.A.)

	Min. P.A.T.A. Retail Price	Price to Dealer
CLEMINITE for a face lotion ...	2/6 tin	1/10½
STALLAX for a shampoo	2/6 tin	1/10½
STALLAX (Small) for a shampoo ...	1/6 tin	1/1½
PHEMINOL for a hair remover ...	4/– jar	3/–
PERGOL for a deodorant	2/6 tin	1/10½
JETTALINE for clearing the skin ...	3/6 tube	2/7½
ALLACITE of ORANGE BLOSSOM for a face cream	2/6 tube	1/10½
BORANIUM for a hair tonic ...	2/6 tin	1/10½
PILENTA SOAP for the complexion	1/– tablet	10d.
MENNALINE for the eyelashes ...	4/– tube	3/–
COLLIANDUM (Solide) for a face tint	2/6	1/10½
COLLIANDUM (Refill for Solide) for a face tint	1/6	1/1½
COLLIANDUM (Powder) for a face tint	2/6	1/10½
PROLACTUM for the lips	1/– tube	10d.
MERCOLIZED WAX for the complexion ...	2/– jar	1/4
MERCOLIZED WAX for the complexion	3/6 jar or tin	2/4
PARSIDIUM an astringent face jelly	1/– tube	10d.
TEKKO PASTE camphor cream ...	2/6 tube	1/10½
SILMERINE hair curling fluid ...	2/6 bottle	1/10½
TAMMALITE hair colour restorer ...	2/6 bottle	1/10½
BICROLIUM for whitening the hands	2/6 jar	1/10½
LIQUID PERGOL to check excessive perspiration locally	3/6 bottle	2/7½
STYMOL for oily complexions and blackheads	4/– bottle	3/–
COCONOIDS for figure development	3/6 bottle	2/7½
SIPOLITE a hair remover	2/– jar	1/6
COMPLEXION POWDER Natural, Rachel 1, Rachel 2, Golden Tan	1/9	1/2
POWDER CREAM Natural, Rachel	1/– jar	8d.
FOUNDATION CREAM... ...	9d. tube	6d.
FOUNDATION CREAM... ...	1/3 tube	10d.
LIP STICK Dark, Medium, Natural	3/6	2/4
LAVALLA sun tan cream... ...	2/6 tube	1/10½

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Messrs. PARKER, BELMONT & CO.

CLYNOL BERRIES (unstamped) for obesity	4/– jar	2/8
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TINCTURES
OLEO - RESINS
MEDICINAL RESINS

★

WILLIAM RANSOM

AND SON LIMITED

Established 1846

Manufacturing Chemists
HITCHIN, Herts

A A*

EXTRACTS

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ALOIN, CAPSICIN, GINGERIN,

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LEPTANDRIN, JALAP RESIN,

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EXTRACT OF ERGOT, UNG. HYDRARG.

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ESTABLISHED 1846
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HITCHIN *near* **LONDON**

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"Good Nights" – are Good Business

The time to say "Good night" is also the time for North British Hot Water Bottles to appear. Strong, reliable, attractively presented—they sell quickly with a minimum of effort on your part. You just need to show them. Order from your wholesaler.

NORTH BRITISH

Hot water bottles

UNIQUE. A fabric bottle with the greatest reputation in the world for real wear. In Drab or Red. Packed in envelope.

SIZE	RETAIL	TRADE
6×10	4/11	3/3
8×10	5/6	3/8
8×12	5/11	3/11½
10×12	6/11	4/7½

P.A.T.A. Price-Protected.

POMPADOUR. A new de luxe bottle, in Blue, Green or Red. Packed singly in decorated box.
Retail Price - - 4/11 each
Trade Price - - 3/4 ,,
P.A.T.A. Price-Protected.

SUPER. A strong bottle, obtainable in Blue, Green or Cherry. Packed in transparent envelope.
Retail Price - - 3/11 each.
Trade Price - - 2/6 ,,
P.A.T.A. Price-Protected.

EDINA. The extension on the filler acts as a handle when filling or, when buttoned over, as a protection to the feet. Obtainable in Blue, Green or Cherry. In transparent envelope. Retail Price 2/11 each. Trade Price 1/11¼ each. P.A.T.A. Price-Protected.

MADE IN EDINBURGH BY THE NORTH BRITISH RUBBER CO LTD

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Pears ROSE BARS

PEARS QUALITY
PEARS NAME
33⅓% PROFIT
(on best terms order)

RETAIL

2d
SINGLE BAR

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DOUBLE BAR

A delightful smooth-lathering opaque soap beautifully scented with genuine flower perfume—packed in an attractive wooden counter display box of 2 dozen double bars.

SEND THE COUPON FOR A SPECIMEN BAR AND TERMS

To A. & F. Pears Ltd. (Dept. C.D. 38),
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Specimen Rose Bar please—and terms

Name .....

Address .....

.....

PT 215/551

All packed in attractive cartons for you to **display** . . .

. . a plain brown paper parcel **READY WRAPPED** *(with carrying string)* **FOR THE CUSTOMER**

SOUTHALLS SAN TOWELS

ALL THE RANGE IN ATTRACTIVE CARTONS

All Southalls San Towels—The "Original," "K," and "Celtex," are now wrapped inside the cartons.

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DIXOR

IRADIUM de DIXOR

Skin Tonic and Cleanser

Effectively removes old make-up and leaves the face refreshed.

Bottles

Handbag Size	1/-	8/-	per doz.
Small	2/5	18/-	,,
Large	5/6	39/-	,,

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Deodorant

Checks excessive perspiration and prevents its offensive odour. Does not make the skin smart. Harmless to clothing.

Bottles ... ... 1/- ... 8/- per doz

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Liquid Depilatory

The most successful method for removing unwanted hair from the underarms and legs.

Acts in one or two minutes according to the growth and texture of the hair to be removed. Simple and clean to use.

Bottles

Small	1/-	8/-	per doz.
Large	3/6	27/-	,,

BUSINESS THAT NEVER SLUMPS

VELOUTY de DIXOR

The **ORIGINAL COMBINED POWDER CREAM**

Velouty de Dixor is a source of consistently good business to the chemist. There is always a big and regular demand for this beauty preparation which remains unaffected by trade slumps and buying scares. Persistent national advertising is increasing the immense popularity of this product and creating much valuable business which you can share.

Tubes	*No. 1	4½d.	3/-	per doz.
	*No. 2	6d.	4/-	,,
	No. 3	1/-	7/-	,,
	No. 4	2/-	14/-	,,
	No. 5	3/-	22/-	,,
Pots	Handbag (Unbreakable)	1/3	10/-	,,
	Glass	2/9	21/-	,,
	De Luxe (Unbreakable)	4/6	36/-	,,

Five shades :— White, Ivory, Natural, Ochre and Soleil Doré.

* Not less than 1 doz. of each shade supplied.

All prices minimum Retail and Wholesale, P.A.T.A.

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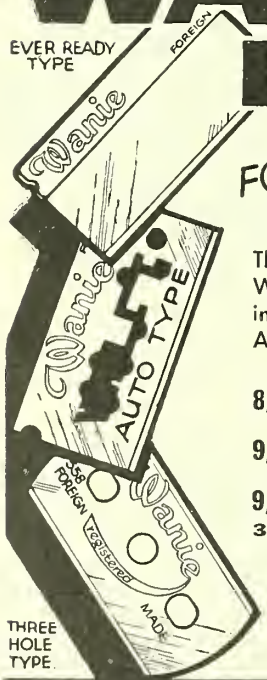
EVER READY TYPE



THREE HOLE TYPE

FOR QUICK CLEAN SHAVES

The range of popularly priced Wanie Blades are all supplied in attractive packets. "Sales-Aid" Showcards are available.

THREE HOLE TYPE
8/-, gross. Retail 12 for 1/-

AUTO TYPE
9/-, 100. Retail 10 for 1/8

EVER-READY TYPE
9/-, 100. Retail 10 for 1/8

33⅓% IS YOUR PROFIT

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LANALOL HAIR FOOD

in the National Press, covering millions of readers weekly, has created enormous interest

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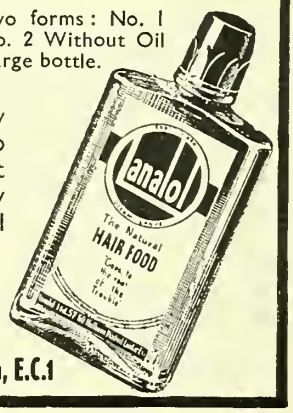
Lanalol is obtainable in two forms: No. 1 With Oil (yellow label), No. 2 Without Oil (green label), 2/6 per large bottle.

Chemists will profit by keeping Lanalol well to the front. This product is supplied on strictly P.A.T.A. terms from all Wholesale Houses.



LANALOL LTD.

57-60 Holborn Viaduct, London, E.C.1

ANTISEPTIC HEALING CREAM

The famous Pink Ointment in the Red and White Box

with a greater sale than all others in its class, is now supported by this fine

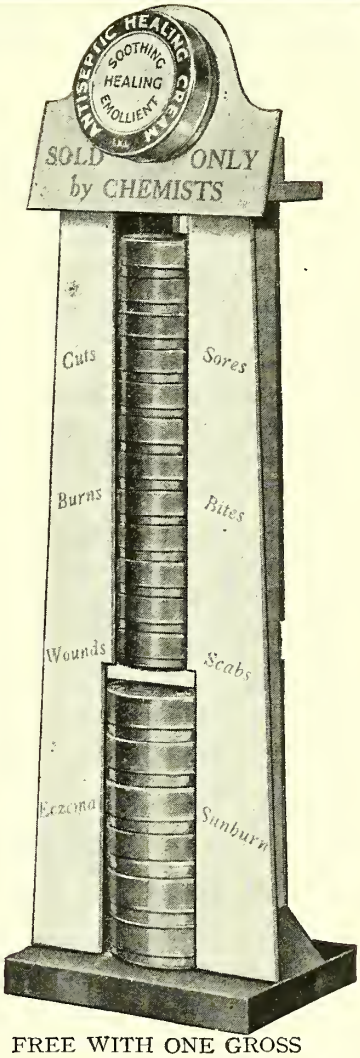
DISPENSER DISPLAY UNIT

Antiseptic Healing Cream is a "Chemist's Own" item, without proprietary garb, unstamped and saleable only by chemists. The product, although the formula is published, has never been approached by others in elegance of manufacture or efficacy in use. It has won for Ayrtons a world-wide renown as producers of the finest ointments and cremors.

The Display is soundly constructed with laminated wood, highly finished in red and primrose cellulosed colours, washable and permanent. Its counter-space is a mere six inches; it holds one dozen small and half-a-dozen large tins, which are served to the customer by a finger-tip push of the bottom tin through the relative aperture. The canopy carries an actual specimen of the famous tin and forces home the "chemists only" quality argument: on each side of the column the uses are emphasised. Customers have already written, "*Sales jumped immediately.*"

DISPLAY GRATIS WITH FIRST ASSORTED GROSS

	doz.	gross	3-gross	5-gross	10-gross
SMALL SIZE	2/-	22/6	21/6	20/-	19/-
LARGE SIZE	3/9	42/-	41/-	40/-	38/-



FREE WITH ONE GROSS ASSORTED SIZES

BRIGHTEN UP YOUR TOOTHBRUSH DISPLAY

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Order more HALEX toothbrushes now. The National Fitness Campaign has interested people in exercise—and now a carefully-timed campaign in the leading newspapers and family magazines is telling them to HALEXercise too. Your customers are all reading and hearing about the new HALEXercise and they *need* HALEX toothbrushes.

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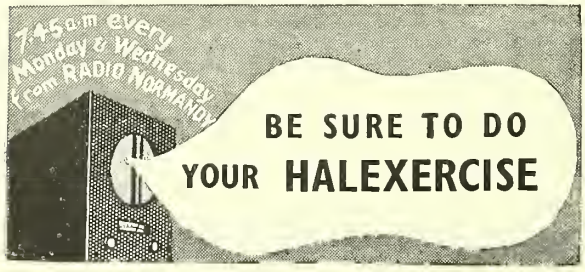

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"THE CHART OF WAR GASES" (Reprinted from C. & D. 30.IV.38.) provides in a concise and clear form a brief description of the chief poison gases; methods of detection; their effects and time action, and an outline of the First Aid methods to be employed to casualties. The chart has been carefully drawn up and is based on information contained in the Home Office A.R.P. Handbooks and the manuals of national First Aid organisations. It should be useful to the pharmacist in the course of his business. Customers interested in the purchase of air raid precautions goods will appreciate a copy for their own use. Chemical manufacturers and firms engaged in all branches of the wholesale drug trade will find the chart of practical use in connexion with arrangements they make for air raid precautions, and it is suggested that copies of the chart should be distributed to their staffs.

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You can get a free case of four dozen Ideal 6d. towels for every ten guineas' worth of Price Vouchers returned to us.

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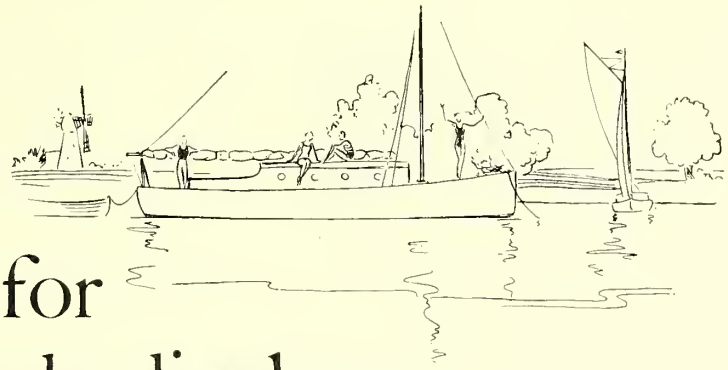

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AROMATIC CREAM

Applied at intervals throughout the day helps to protect the user against attacks of gnats, mosquitoes and midges. A convenient package which can be carried easily and unobtrusively in the pocket or handbag.

Collapsible tubes, 12/6 *per doz.*

London price to the Trade (Subject)

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for RETAILER - WHOLESALER - MANUFACTURER

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

Published Weekly at

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News of the Week

Business Changes

S. PRESS (CHEMISTS), LTD., Romford, are opening a new branch at 683 Finchley Road, London, N.W.2.

THE BUYERS' ASSOCIATION is moving into new headquarters at 419 Oxford Street, London, W.1. Telephone: Mayfair 5366.

National Health Insurance Act, 1936

N.H.I. (JOINT COMMITTEE) REGULATIONS (No. 2), 1938
(From "The London Gazette," July 15, 1938)

Notice is hereby given under the Rules Publication Act, 1893, that it is proposed by the National Health Insurance Joint Committee, after the expiration of at least forty days from this date, in exercise of the powers conferred on them by subsection (4) of section 160 of the National Health Insurance Act, 1936, and of all other powers enabling them in that behalf, to make regulations to be entitled the National Health Insurance (Joint Committee) Regulations (No. 2), 1938 ;

And that on account of urgency the National Health Insurance Joint Committee, under section 2 of the Rules Publication Act, 1893, in exercise of the powers aforesaid, made regulations entitled the National Health Insurance (Joint Committee) Regulations (No. 2), 1938, to come into operation forthwith as provisional regulations, to continue in operation until regulations have been made in accordance with the provisions of section 1 of that Act.

Copies of the provisional regulations so made, which constitute the draft of regulations to be made as aforesaid, can be purchased directly from H.M. Stationery Office, at the following addresses:—York House, Kingsway, London, W.C.2 ; 120 George Street, Edinburgh, 2 ; 26 York Street, Manchester, 1 ; 1 St. Andrew's Crescent, Cardiff ; 80 Chichester Street, Belfast ; or through any bookseller.

Dated this 15th day of July, 1938.
National Health Insurance Joint Committee,
Ministry of Health,
Whitehall,
London, S.W.1.

Ministry of Health

NOTIFICATION OF INFECTIOUS DISEASES (LONDON)
(From "The London Gazette," July 15, 1938)

Notice is hereby given under the Rules Publication Act, 1893, that it is proposed by the Minister of Health, after the expiration of 40 days from this date and in pursuance of the powers given to him by Section 143 of the Public Health Act, 1936, to make regulations entitled the County of London (Measles and Whooping Cough) Regulations, 1938, providing for the notification of cases of measles and whooping cough within the County of London.

Copies of the draft regulations can be purchased through any bookseller or directly from H.M. Stationery Office, York House, Kingsway, London, W.C.2.

Dated this fifteenth day of July, 1938.
Ministry of Health,
Whitehall,
London, S.W.1.

Trade Marks Act

Under an Order of the Board of Trade, dated July 6, the date on which the Trade Marks (Amendment) Act, 1937, shall come into operation is appointed as July 27. By virtue of the Act, the Board of Trade has made Trade Mark Rules, 1938, printed copies of which will be obtainable in due course from the Sales Branch, The Patent Office, 25 Southampton Row, London, W.C.2. The following publications relating to the classification of goods in accordance with Schedule IV of the Rules may be obtained from the Sales Branch as above: "Alphabetical Index to the Substituted Classification of Goods" (price 5s. inland) ; "Lists of Goods in each of the Classes of the Substituted Classification of Goods" (price 5s. inland).

Proprietary Articles Trade Association

ADDITIONS TO PROTECTED LIST.—Pond's Extract Co., Ltd., Pond's liquefying cream, trial jars, 6d., 4s. 6d. doz.; small size, 1s. 3d., 11s. 3d. doz.; large size, 2s. 6d., 22s. 6d. doz. Orders of £3 value and under £5, 4s., 10s. 6d. and 21s. doz. respectively ; orders of £5 and upwards, 3s. 9d., 10s. and 20s. doz. respectively. Proprietary Agencies, Ltd., Phillips' magnesia texture cream and Phillips' magnesia cleansing cream, 1s. 6d., 13s. 6d. doz., subject to usual quantity discounts.

ALTERATION.—Parke, Davis & Co., Crysto-Vibex, 0.5 mgm. tablets, 25's (C.T. 758), 2s. 6d., 20s. 3d. doz.

DELETIONS.—Bourjois, Ltd., Ashes of Roses cold cream, vanishing cream and talcum powder ; Ashes of Violets talcum powder.

Derby

ADDRESS TO PUPILS.—Mr. Andrew Best (a director and works manager of F. W. Hampshire & Co., Ltd.) addressed girls of Derby elementary schools at the Guildhall, Derby, on July 14.

OBJECTIONS TO CLOSING HOURS.—The Derby Markets Committee is to consider certain objections which have been raised to the Town Council's proposals to make an order imposing new regulations for closing hours of pharmacies and drug stores in the borough. If the order is made, the shops affected will have to close at 7.30 p.m. on Monday, Tuesday, Thursday and Friday, 1 p.m. on Wednesday, and 8 p.m. on Saturday.

CONTENTS
See p. 81

Huddersfield

ASSOCIATION OF PHARMACEUTICAL EMPLOYEES.—The first meeting of the newly formed local branch of the Association of Pharmaceutical Employees was held on July 14. The aims and objects of the Association were discussed and all present undertook to get in touch with as many of their fellow workers as possible. Mr. H. Bradshaw was instructed to convene the next meeting on July 25.

Ipswich

BRANCH OUTING.—Members and friends of the Ipswich Branch of the Pharmaceutical Society held their annual outing on July 13, visiting the water works of the South Essex Water Co., at Langham, Essex. Each process of purification was shown and explained by the resident engineer, to whom thanks were expressed on behalf of the visitors by Mr. L. Piper (chairman). The party then proceeded to Flatford, a beauty spot made famous by the paintings of John Constable. Tea was taken there (picture, p. 73), followed by two hours of boating on the river, before the return to Ipswich at 9.30 p.m.

London

DRUG TRADE APPEAL FUND.—The biennial meeting of subscribers to the Drug Trade Appeal Fund will be held in the board room of The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, on July 25 at 3.30 p.m. to receive reports for the period May 1936-May 1938, and to elect trustees for the next two years.

TRANSFER OF RESEARCH INSTITUTE.—Permission has been given by the Home Office foi the entire staff of the Pearson Institute to enter this country, and the Institute, which was founded by Mr. Frederick Pearson, an American, for purposes of medical research, will shortly be transferred from Vienna to the West London Hospital, Hammersmith Road.

Manchester

GOLF.—Members of the Manchester and District Pharmaceutical Golfing Society played in the annual competition for the Woolley trophy and replica at Mere Country Club on July 13. The leading returns were:—B. Westmacott, 73 (winner of trophy and replica) ; S. M. Bostock, R. Demaine, 79 (tied for second prize) ; Mrs. J. W. Aves won the putting competition arranged for the ladies. Mr. J. H. Franklin presided at dinner in the evening and Councillor F. D. Gee proposed the vote of thanks to J. Woolley, Sons & Co., Ltd.

NEW RESEARCH CLINIC, LIVERPOOL.—*Lord Leverhulme* (centre) *and Lady Leverhulme* (right) *examining a cardiogram after officially opening the new Institute of Research for the Prevention of Disease recently.* Left, *Miss Lescher (daughter of the late Mr. T. Edward Lescher, O.B.E., through whose help the Institute came into existence.)*

Southport

GIFT TO INFIRMARY.—Mr. Robert Martin (Bob Martin, Ltd.) has presented an "iron lung" costing about £250 to the Southport Infirmary.

OUTING TO GLASGOW EXHIBITION.—Office and works staffs of Bob Martin, Ltd., Southport, visited the Empire Exhibition, Glasgow, on the occasion of the firm's annual summer outing on July 16. They were met on their arrival by Mr. Robert Martin (managing director). The party divided into groups in Bellahouston Park, reassembling at 9.20 p.m. for the return journey. Southport was reached at 2.45 a.m. On behalf of the directors, Mr. Robert Martin expressed thanks to Messrs. Jackson and Pettitt for organising the outing.

Stockport

CONFERENCE RESOLUTIONS DISCUSSED.—A meeting of the Stockport and District Branch of the Pharmaceutical Society was held on July 4, when resolutions for discussion at the British Pharmaceutical Conference were considered, and the representatives instructed what action they should take. Arrangements for the winter session were discussed, and a proposal by the secretary that one meeting should be held in Macclesfield was agreed to. Mr. J. H. Taylor was appointed to make all Branch Air Raid Precautions arrangements.

Worthing

HOSPITAL CONTRIBUTORY SCHEME.—Worthing Branch of the Pharmaceutical Society has agreed to co-operate with the Worthing Hospital authorities in a new development of the Hospital Contributory Scheme. About forty chemists have agreed to their premises becoming depots at which anyone joining the Contributory Scheme can purchase stamps ; this will simplify the book-keeping side of the scheme.

Irish Notes

Irish Drug Association

Mr. P. A. Brady (president) was in the chair at a meeting of the committee of the Irish Drug Association held on July 11, when it was unanimously agreed that the attention of members should be drawn to the Seanad Eireann elections, 1938. The committee stressed the importance of having representation for the profession of pharmacy in the Senate, and issued an earnest exhortation to all members to use their full influence in the coming contest to secure the return of Messrs. B. P. Hickey and P. C. Cahill, the Pharmaceutical Society's nominees. Members were urged to get in touch with their local Dail Deputies and county or borough councillors in their areas on the Electoral College, and through personal canvass to secure the highest possible preference votes for the chemists' nominees. It was pointed out that in the last election Mr. Cahill only lost a seat by a fraction of a vote. It was agreed that the following matters would be the basis of discussion at the next joint meeting of the retail and wholesale sections of the Association: the package tax ; definitions of "wholesaler," "wholesale transaction" and "supplies to the medical profession, hospitals, public institutions and bodies"; the approved lists of manufacturers and wholesalers ; leakages ; and the methods of obtaining more support for approved firms, especially wholesalers, to the exclusion of other firms ; return of goods by retailers for credit.

Dublin

NEW RESEARCH BUREAU.—A Bureau for Industrial Research will shortly be opened at Commercial Buidings, Dame Street, Dublin. The Bureau will provide figures showing comparative production, output and wage statistics in different countries.

GOLF MEETING.—The Irish Chemists' Golfing Society held competitions for the Kodak cup and the Selo prize at the Howth Golf Club, co. Dublin, on July 17. Mr. Cyril J. Staunton, M.P.S.I. (medical representative, Evans Sons Lescher & Webb, Ltd.) was declared the winner of the Kodak competition with 57 (handicap 19). Mr. Staunton showed up well again in the afternoon Selo match, tying with Mr. Stanley Savage, L.P.S.I. On the toss of a coin Mr. Savage won the trophy. At the club house later Mr. Stafford (manager for Eire, Kodak, Ltd.) presented the Kodak cup, and the captain (Mr. A. F. Roche) the Selo prize. The next outing of the Society, the last of the season, will be at Woodbrook Golf Club, Bray, on Sunday, September 11, when the trophy presented by P. C. Cahill & Co. will be up for competition ; this will also be visitors' day, and the first occasion on which the Society has permitted visitors to compete.

News in Pictures

1. **TABLE TENNIS TEAM**—Staff team of Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, at completion of 1937–38 season.

2. **NEW SHOPFRONT AT FELIXSTOWE**—Double - windowed front recently installed at the premises of Mr. Charles E. Bell, Felixstowe.

3. **EXPOSURE-METER DISPLAY** — Window show of Metrovick exposure-meters at Aldwych, London, showrooms of Metropolitan-Vickers Electrical Co., Ltd.

4. **IPSWICH BRANCH OUTING** — Ipswich pharmacists at tea at Flatford, Essex. (See page 72.)

Imperial and Foreign News

Australia

New Poisons Regulations.—The new Poisons Regulations for South Australia, which were approved and ordered to be gazetted on May 12, came into force on July 1. The Regulations have been based on the most recent British Poisons Regulations, but certain modifications have been made to suit special conditions. Much of the work connected with the drafting of the Regulations has been carried out by Professor A. K. Macbeth, who was commissioned, two years ago, by the Government of South Australia to visit England to study the poisons system here. Since his return he has been in active consultation with pharmaceutical and medical bodies in drafting the Regulations, the stringency of which varies according to the potency of a poison, and the use to which it is put.

National Health and Pensions Bill.—Details of the National Health and Pensions Bill, introduced into the House of Representatives recently, have just been published. The object of the Bill was to provide "for insurance against certain contingencies affecting employees, and the wives, children, widows and orphans of employees, and for other purposes." It is intended that all employed persons over sixteen years of age (except aboriginals) and under sixty-five in the case of men, sixty in the case of women, shall be insured under the Act as employed contributors. Voluntary contributors are those under the maximum ages who have been employed for a period of not less than two years since their last entry into insurance. Juvenile contributors, that is those between fourteen and sixteen, are eligible for medical treatment only. Insured persons will be entitled to the following benefits:—(1) Medical benefit, consisting of such proper and necessary medical services as are prescribed, and the provision of proper and sufficient drugs and medicines and of the prescribed medical and surgical appliances and the supply of such medical certificates as are required for this Act; (2) sickness benefit; (3) disablement benefit; (4) additional benefits; (5) old-age pensions; (6) widow's pension; (7) orphan's pension; (8) dependant child's allowance. The additional benefits are chiefly within the province of approved societies, as surplus funds permit of benefits being offered. Any plan of additional benefits is required to be submitted first for approval to the National Insurance Commission.

Canada

Science Congress.—Lord Leverhulme delivered the presidential address at the annual meeting of the Society of Chemical Industry at Ottawa recently. Mr. Victor Bartram, Montreal, was elected president for the coming year. Mr. H. V. Potter, B.Sc., F.I.C., managing director of Bakelite, Ltd., London, S.W.1, has been elected vice-president.

Japan

Made in USA.—Japanese tooth-brushes correctly labelled "Made in USA" are reported to have found their way on to the United States market. The explanation is that on Kyushu, the southernmost island of Japan, where many households are engaged in the manufacture of brushes, mostly tooth-brushes, is a small town named Usa. The full inscription is "MADE IN USA (Japan)," but the "(Japan)" is printed on the other end of the handle, two inches away, and one-third the size of the rest of the inscription.

Topical Reflections

By Xrayser

Clinics and Shops

If it is true, as a member of Birkenhead Chamber of Commerce has alleged (*C. & D.*, July 16, p. 50), that certain users of clinics are "able to accumulate stocks to sell to others," it is time that control of these institutions was tightened. We have not seen much about clinics in the Press lately; but it is gravely to be feared that they tend to induce, in a much-quoted phrase, "a labefaction of morality," or at the least to sap the self-reliance which should be "in the bones" of every good citizen. In the world as we know it there are always people who think it clever to obtain as much as they can at the public expense. One hears of wealthy "workers" who drive up to their local clinic in their own motor cars and emerge later bearing the spoils of war. What is to be done by way of making conditions of this type of charity more stringent? I suggest, for a beginning, that each docket or other form of order issued should have a dated counterfoil attached to it, this counterfoil to be retained by the customer and handed in at the clinic on the next visit. The time-interval could then be checked, and the superprehensile visitor appropriately dealt with, either by the official in charge or by means of such other procedure as the local authority might order.

Hormones in Cosmetics

The handy reply to old-fashioned people who dislike feminine make-up in daily life, that after all it is only skin-deep, is, according to one of the editorial articles in your last week's issue (p. 59), no longer valid. I have no intention of formulating in this matter what one of our leading daily papers has, by a delightful misprint, lately called "maximums"; but I foresee serious trouble if the borderline between skin creams and ointments is overstepped promiscuously with no thought beyond that of the price to be charged for the finished article. Once it is recognised (as apparently it is) that the powerful substances collectively known as hormones are not necessarily split up on passing through the skin, but may retain their identity in much the same way as, for instance, mercury salts, the need for caution is almost too obvious for discussion. Research workers in pharmacology now regard the human body, I apprehend, as a kind of chemical factory, with ductless glands liberating into the blood stream various organic chemicals the exact functions of which are not likely to be unravelled by science, with a few exceptions, for a good many years: all the more reason, then, that we should put upon the medical practitioner the responsibility for prescribing or recommending local applications of this nature. At present I see no safe neutral territory between potentially dangerous hormone cosmetics and those containing a mere trace of some natural or synthetic hormone put in "to swear by."

Loads of Mischief

We have to thank the chief constables of Preston and Blackpool for pointing out (p. 52) dangers—obvious when we come to think of them—caused by the overloading or misloading of trade bicycles ridden by errand-boys. The Executive of the National Pharmaceutical Union, in the reports of whose monthly meetings such boys usually figure, could no doubt tell us something about this problem. I am not sure whether Sir Joshua Reynolds, famous in particular for his representations of children, ever painted an errand-boy; but the other Reynolds, Fred, a contributor to the *C. & D.* a generation ago, was brilliantly successful in sketching such lads, and I have enjoyed the capers of his specimens of the tribe much more than those of any over whose commercial destinies I have been called upon to preside for a time. These youths sally forth with a load of mischief in any case: we have to see to it that we do not contribute to road accidents by making their physical loads unwieldy. All of us, I suppose, know funny stories of the quaint *insouciance* of boys of errandable age; but I wonder if we sufficiently realise that in the event of an accident to one of them in a public thoroughfare the help of the N.P.U. may not entirely obviate the local unpopularity that may result for us.

Legal Reports

Pharmacy Act Cases.—At Accrington Police Court, on July 13, Jonas Booth, hairdresser, Blackburn Road, Accrington, admitted selling phenylenediamine (a poison) contrary to the Pharmacy and Poisons Act, 1933. He was fined 40s. Mr. J. W. Hopkins, for Lancashire County Council, said the poison was contained in a hair dye sold by Booth.

At Penge Petty Sessions, on July 5, Davy's Drug Stores (Penge), Ltd., were summoned for having unlawfully sold by retail a poison contained in Part I of the Poisons List, 1935, namely, codeine, such poison being contained in a substance or preparation known as Famel syrup, the sale not being effected by or under the supervision of a registered pharmacist; there was a second summons for having unlawfully sold Famel syrup in a container not labelled with the name of the seller of the poison and the address of the premises on which it was sold. Defendants pleaded guilty. Mr. J. C. Coombes, in presenting the facts, said the defendant company owned two shops, one being situated at 181 and the other at 96 High Street, Penge. Because of the unusually long hours at which these shops were open, the Pharmaceutical Society was not satisfied that the Act had been properly observed. The company were fully warned that poisons must not be sold except under the supervision of a registered pharmacist, but notwithstanding such warning a bottle of Famel syrup was sold by an assistant to one of the Society's inspectors. It was found that the bottle did not bear either the name or address of the seller of the poison. Counsel for defence said that at this particular shop there were in attendance a registered pharmacist and experienced assistants. A lady assistant, who had been in the company's service for a good many years, on this particular evening voluntarily relieved the pharmacist for a short time. The assistant unquestionably knew that she ought not to sell anything that was contained in Part I of the Poisons List, but for the last two or three years she had been engaged in the wholesale part of the business, and it seemed that in the interval she had probably lost her skill as a retail saleswoman and sold the bottle of Famel syrup. The company must accept responsibility, but he asked the magistrates to say that what had been committed was a technical offence, and to deal with it under the Probation of Offenders Act. He added that arrangements had now been made by the company for a qualified chemist to be in attendance all the time. Fines of £2 on each summons, with £3 3s. costs, were imposed.

Theft of Goods.—At the Mansion House, recently, Lionel Albert Charles Connor, motor driver, was charged with obtaining Phosferine to the value of £30 12s. by false pretences from Ashton & Parsons (Phosferine), Ltd., London, E.C.4, on June 17, and with attempting to obtain by similar pretences on June 20 goods of the value of £189 12s. Mr. G. B. McClure, who prosecuted, said the accused was in the employment of May, Roberts & Co., Ltd., manufacturing chemists, Clerkenwell, E.C.1, who were customers of the Phosferine company, and it was alleged that on each of the occasions in respect of which he was charged the prisoner took to the latter firm what was in fact a forged order. On the first occasion he was successful in getting the goods, but on the second, when he went with a much larger order, he was handed over to the police. He denied he had been there on June 17. Detective Constable Bottomley said from inquiries he had made he was convinced that the accused was in the hands of an older man who knew where to dispose of stolen property. He had, however, flatly refused to assist the police. The magistrate said he was satisfied that both charges had been proved and defendant was remanded in custody for a week as this was a serious case and required consideration.

Gazette

Adjudication

Bennison, W., 100 Richmond Road, Earl's Court, London, chemist.

Partnership Dissolved

Lord, F. H. G., and Rawstron, F., 35 Bank Street, Rawtenstall, and 317 Burnley Road, Waterfoot, Rossendale, retail chemists under the style of Lord & Rawstron.

Company News

P.C. means Private Company and R.O. Registered Office

V. M. Fowles, Ltd. (P.C.).—Capital £1,000. Objects: To acquire the business of a chemist now carried on by Percy F. Bartley at Barnards Green, Malvern.

George Wickham, Ltd. (P.C.).—Capital £6,000. Objects: To acquire the business of a chemist and druggist carried on by George Wickham in Exeter. Wm. E. G. Wickham, 65 Sidwell Street, Exeter, director.

Clifford C. Woodrow, Ltd. (P.C.).—Capital £500. Objects: To acquire the business of a chemist and druggist now carried on by Clifford C. Woodrow at 627 Foxhall Road, Ipswich. Clifford C. Woodrow, director.

Chrystalls (Chingford), Ltd. (P.C.).—Capital £1,500. Objects: To carry on business as manufacturers of and dealers in chemicals, drugs, medicines, etc. Peter Collins Shearer, 12 The Broadway, Woodford Green, Essex, director.

Plastic Industries (Holdings), Ltd. (P.C.).—Capital £100. Objects: To carry on the business of dealers in plastic and synthetic compositions in all forms, etc. The first directors are to be appointed. Solicitors: S. Rutter & Co., 1-2 Great Winchester Street, E.C.2.

R. Wilfred P. Rees, Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of wholesale and retail chemists and druggists, opticians, etc. Robert W. P. Rees, 31 The Parade, Cardiff, Richard W. Rees, 31 The Parade, Cardiff, directors. R.O.: 45 Tweedsmuir Road, Cardiff.

E. M. Morris, Ltd. (P.C.).—Capital £500. Objects: To acquire the business of a chemist, druggist and optician formerly carried on by E. M. Morris (deceased) at Gwendraeth, Brynamman, South Wales. Mary J. Lewis, "Gwendraeth," Brynamman, director. R.O.: The Pharmacy, Station Road, Brynamman, Carm.

Gas-Proof Rooms, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers and merchants of appliances, instruments and substances of all kinds in connexion with anti-gas protection, etc. John Holloway, 47 Woodfield Avenue, Streatham, S.W.14, director. R.O.: 10 Robin Hood Court, Shoe Lane, E.C.4.

Beecham Maclean Holdings, Ltd. (Public Company).—Capital £2,250,000 in 1,500,000 5 per cent. redeemable cumulative preference shares of £1 and 3,000,000 ordinary shares of 5s. Objects: To acquire and hold all or any of the ordinary shares of Macleans, Ltd., and with a view thereto to enter into an agreement with Beechams Pills, Ltd. (vendors and promoters), and to carry on the business of wholesale or retail chemists and druggists, manufacturers of and dealers in patent medicines and proprietary articles, etc. In a winding-up, the preference shares are entitled to repayment of capital (with a premium of 1s. 6d. per share) in priority to any other shares. They also have the benefit of a Deed of Guarantee between the company (as agents for the preference shareholders) and Beechams Pills, Ltd. The preference shares are redeemable on or before July 1, 1960. In each year from 1940 onwards a sum is to be set aside out of profits to the credit of a "Preference Share Redemption Fund." Preference shares confer no votes except under special circumstances. The first directors (to number not less than three nor more than ten) are to be appointed. Solicitors: Simmons & Simmons, 1 Threadneedle Street, E.C.2.

An offer of 1,496,500 five per cent. redeemable cumulative preference shares of £1 each at 20s. per share was made on Tuesday, July 19. It is reported that the offer was heavily over-subscribed.

Jordan & Sons, Ltd., Chancery Lane, London, W.C.2, company registration agents, in their report on new companies registered during the period January 1 to June 30, 1938, record under "Chemicals," the registration of two public companies without share capital and 238 private companies with a combined capital of £1,494,225.

Pharmaceutical Society of Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held at 67 Mount Street, Dublin, on July 12, the president (Mr. B. P. Hickey) in the chair. Other members of the Council present were Messrs. P. C. Cahill, F. J. Fitzpatrick, C. Cremen, D. W. P. Boyd, J. Duggan, J. Gleeson, P. J. Fielding, M. J. Kieran, W. J. McKnight, M. J. Parkes, J. V. McKeever, J. K. Whelehan, T. C. Scott, and Miss F. M. Flood.

CORRESPONDENCE

The law adviser (Mr. John J. Gaynor) reported on two cases in which summonses had been issued for breaches of the poisons law, and in which fines and costs totalling £20 10s. had been imposed.

Miss Kathleen Fogarty, M.P.S.I., Palmerston Road, Dublin, wrote thanking the Council for her appointment as Professor of Pharmacy.

Messrs. J. J. Sewell and W. G. Cunningham (secretaries of the Irish Dispensary Compounders' Association) wrote notifying a resolution passed unanimously by a meeting of the Association in the following terms:—"That the best thanks of this Association be extended to the Chairman and members of the Council of the Pharmaceutical Society for their courtesy and consideration to the deputation from this Association recently received by them, and for the helpful resolution which they passed unanimously. Furthermore that the best endeavour of the I.D.C.A. be utilised to further the candidatures of Mr. B. P. Hickey and Mr. P. C. Cahill in the coming elections for membership of the Senate."

CHANGES OF ADDRESS

The following changes of address were notified:—Miss M. Gunning, M.P.S.I., from Ballymacurley House, Roscommon, to Medical Hall, Ballygar, co. Roscommon; Miss Mary E. Costello, M.P.S.I., from Mellick, Mohill, co. Leitrim, to Fitzwilliam Pharmacy, Fitzwilliam Square, Wicklow; Miss M. O. McFarland, from Lisbuoy, Greystones, co. Wicklow, to 106 Patrick Street, Cork; Mr. A. Walsh, M.P.S.I., from Ashwood House, Donadea, to 290 Harold's Cross Road, Dublin.

COMMITTEES' AND REGISTRAR'S REPORTS

The reports of the House and Schools Committees were submitted and adopted. The report of the Certificates and Declarations Committee recorded that thirty-two candidates had entered for the July Licence examination.

Following the consideration of the Law Committee's report the Council ordered that proceedings be taken in thirteen cases relating to the use of the title "M.P.S.I." without authority, and in nine cases against unqualified sellers for breaches of the Poisons and Pharmacy Acts.

THE REGISTRAR (Mr. J. J. Kerr) reported that letters under Section 25 had been sent to the following and no replies had been received: *Pharmaceutical Chemists,* Miss E. Martyn, Messrs. F. H. R. Brady, H. Burns, P. J. Hayes, I. H. Henry, W. S. Lawrie, T. H. Mahoney, J. W. Middleton, and J. McCarthy; *Assistant,* Mr. P. MacArthur; *Registered Druggists,* Messrs. J. Carney and C. Mathews.

MEMBERSHIP

The following were elected to membership of the Society: Misses J. Collins, M. Duffy, B. O'Keefe, and R. A. Tully; Messrs. A. Fine, J. Marks, J. R. Lawless, A. J. Murray, J. B. McDevitt, C. W. Tipping, and H. I. Wagner.

The following were nominated for membership of the Society: Miss M. Costello, Fitzwilliam Pharmacy, Fitzwilliam Square, Wicklow; Miss M. Gunning, Medical Hall, Ballygar, co. Roscommon, and Mr. A. Walsh, 290 Harold's Cross Road, Dublin.

At the conclusion of the business on the agenda a meeting of the Benevolent Fund Committee was held.

British Medical Association

A NUMBER of problems of interest to pharmacists were discussed at the annual conference of the British Medical Association, which opened at Plymouth on July 15. On the opening day an important question considered was dilution of the profession, and it was announced that a committee had been appointed to assist the Home Secretary in the selection of a limited number of Austrian doctors for admission to practice in this country.

In the afternoon of the first day, the conference decided to rescind the resolution of 1934 disapproving of the principle of giving recognition to approved chiropodists in a more extended field than in dealing with corns and callosities, and approved recommendations by the Council that a measure of recognition should be accorded to chiropodists.

The following day a vigorous attack on alleged abuse of hospitals operating contributory schemes was made and a resolution was passed asking for a review of the whole position. It was declared that contributory schemes involved encroachment on private practice, and were affecting practitioners in a way that was not to the advantage of the doctor, the hospital, or the patients themselves. About a third of the contributory schemes in the country were without income limits.

The following day the conference carried a resolution in disapproval of the establishment of ophthalmic clinics at hospitals under the National Ophthalmic Treatment Board, before passing to the revised draft of General Medical Service. The four main principles of the plan, which involves a new nation-wide organisation, are that (i) the system of medical service should be directed to the achievement of positive health and prevention of disease, no less than to the relief of sickness; (ii) there should be provided for every individual a doctor of his own choice; (iii) specialists, laboratory service and institutional provision, when needed, should be made available to all through the family doctor; (iv) all medical services should be co-ordinated. The report was adopted.

Parliamentary News

DANGEROUS DRUGS

In reply to a question by Mr. McEntee, on July 11, Mr. Butler stated that on the information in his possession he could not say whether there had been an increase in the sale of dangerous drugs in the international settlement at Shanghai. As to sources, it was believed that of the opium seized during 1937 consignments came from both North and South China; the heroin was mainly from the North.

WORKMEN'S COMPENSATION

The Home Secretary was asked, on July 14, which of the recommendations contained in the Departmental Committee's reports on workmen's compensation it was intended to implement pending the report of the Royal Commission.

Sir Samuel Hoare: I am not in a position to add anything to the answers which the Prime Minister gave to questions on this subject on June 22. The hon. Member will recall that the Prime Minister said:—"I think it is obvious that, if we set up a Royal Commission, it would not be proper to introduce any legislation which affected the general system until we had its report. I should not consider, on the other hand, that we should be debarred from introducing legislation dealing with particular aspects of the question."

MEDICAL BENEFIT FOR DEPENDANTS OF INSURED PERSONS

Mr. White asked the Minister of Health whether any estimate had been prepared of the cost of providing medical benefit to the dependants of persons insured under the National Health Insurance Acts?

Mr. Elliot: On the assumption that the term "dependants" is restricted to wives and children up to the school-leaving age, the cost . . . would be about £10,000,000 per annum if the annual charge per head were the same as that now applicable to insured persons.

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held at 73 University Street, Belfast, on July 15. In the absence of the president (Mr. S. H. Forrest) the chair was taken by the vice-president (Mr. W. C. Tate), and there were also present Messrs. H. F. Moore, S. Gibson, J.P., S. S. Badger, J.P., J. E. Connor, J.P., W. Martin, J. McDowell, J. W. Gray, J.P., J. T. Nichol, J. McGregor, J. Abernethy, J. F. Grimes, and Professor E. C. B. Mayrs and the secretary (Mr. D. L. Kirkpatrick).

THE VICE-PRESIDENT welcomed Mr. Badger on his return to the Council and expressed the hope that his health would continue to improve. Mr. Badger, in reply, said he appreciated the many kind inquiries he had received from his colleagues.

MR. TATE extended the sympathy of the members to Mr. Kirkpatrick and his family on their recent bereavement, and Mr. Kirkpatrick briefly replied.

CORRESPONDENCE

A letter was read from Mr. G. B. Harris, Belfast, regretfully tendering his resignation for business reasons from the position of Examiner in Business Methods. Mr. Boyd said he was afraid he would not have sufficient time in future to carry out the work properly. Suggesting that the matter be referred to the Education Committee, Mr. Tate said Mr. Harris had carried out his duties to the entire satisfaction of the Council. The secretary said Mr. Harris had been appointed for the year and it would be in the hands of the president to appoint a substitute until a successor was appointed in December.

On the motion of Mr. Grimes, seconded by Mr. Connor, Mr. Harry Percy Jones, Craigavad, Belfast, a member of the Pharmaceutical Society of Great Britain who had fulfilled all the regulations, was elected to the Register.

THE SECRETARY reported receipt from the Pharmacy Board of New South Wales of the papers in the final examination in Pharmacy. He had written congratulating two licentiates of the Society who had obtained their degrees of Bachelor of Medicine.

REQUEST FOR MONETARY GRANT

Accompanying the report of the Finance Committee was a letter from the secretary of the Fermanagh County Education Authority asking for a grant to defray the cost of classes for students studying for the Preliminary Examination. The Committee's recommendation on the subject was that in view of the fact that the Ministry was making a grant a fee should be charged that would be sufficient to meet the cost of extra classes.

THE SECRETARY said Enniskillen had been given four Society grants and the process would become expensive if it went on every year ; it was time that Enniskillen put its house in order.

MR. BADGER said that in Magherafelt there was no complaint at students having to pay for the extra classes. Four or five guineas was quite sufficient to supplement the Ministry's grant ; this was cheaper than sending boys to Belfast.

MR. CONNOR said it would be a pity if classes were not carried on. If a small grant would help them to continue he thought the Council should provide it. They might have a request from another school and he would regret having to turn them down. It was a big item to pay five guineas and he thought that each case should be considered on its merits.

MR. TATE replied that last year the Council made a grant of £7 and the County Committee were involved in an expenditure of about £40. The resolution did not close the matter.

THE SECRETARY remarked that they did not say they were not going to make a grant, but that the matter of a fee for students should be looked into. The minutes were passed on the motion of Mr. McGregor, seconded by Mr. Gibson.

EXAMINATION AWARDS

The Council considered the examination results and it was decided that, in Part I, the gold medal should be awarded to Eugene Gerard Magee, Irvinestown, who obtained 582 marks out of 700, and the silver medal to William J. Taylor, Derry, with 525. The secretary stated that in Part II Patrick McAnallen, Portadown, had had an exceptionally high mark, but was not eligible for the gold medal as it was his second attempt. It was decided that he should be awarded a book prize. The report of the Board of Examiners will come before the September meeting, which it was decided to hold on the ninth, in view of the Conference at Edinburgh. There will be no meeting in August.

MEMBER'S APOLOGY

It was reported that a complaint had been received by the Council that a Pharmaceutical Chemist in a provincial town, who was granted by the special Board of Examiners the endorsed certificate, had inserted in an advertisement the words "Gold Medallist." As the person mentioned was not a gold medallist by examination, the matter was referred to the Society's legal advisers, who had obtained from the person concerned a full and ample apology, with a promise that in future the words complained of would not be used in any advertisement or stationery.

MEMBERSHIP SUBSCRIPTION

It was decided that members should be reminded by the secretary that the financial year commences on September 1 and that in order to obtain THE CHEMIST AND DRUGGIST without charge the membership subscription must be paid on or before that date.

THE SECRETARY reminded the members of Council of the Conference at Edinburgh and the necessity of making arrangements in advance.

P.A.T.A. Council Meeting

THE quarterly meeting of the Council of the Proprietary Articles Trade Association was held on July 14 in London, the president (Mr. G. M. Garcia) in the chair.

Foster-McClellan Co. were co-opted to fill the vacancy on the manufacturers' section of the council occasioned by the resignation of D. & W. Gibbs, Ltd.

SUPPLY BY WHOLESALERS TO PUBLIC

The report of the Executive Committee stated that the activities of certain wholesalers (not members of the wholesale section) in supplying goods at trade prices to persons not *bona-fide* in trade had been the subject of special attention, and investigation by various trade organisations, including the P.A.T.A. As a result suitable steps were being taken by the committee to ensure observance by the wholesalers concerned of the conditions attaching to the supply of P.A.T.A. goods by wholesale.

QUANTITY AND DISPLAY TERMS

The council considered representations from the executive of the National Pharmaceutical Union on the subject of quantity and display discounts on P.A.T.A. goods. The council reaffirmed that proprietary articles are accepted for the Protected List on the basis of the manufacturer providing and protecting a reasonable rate of profit for the retailer who purchases in small quantities, and that the allowance of additional discount on quantities, whether that discount is in respect of quantity purchase only or in respect of display or other form of co-operation, is entirely at the discretion of the manufacturer, the settlement of prices and profits being arrived at by agreement within the P.A.T.A.

PRICE-MAINTENANCE ACTIVITIES

The president referred to the intensive work carried out in connexion with the tracing of price-cutters' sources of supply. It had been disheartening to discover that so many channels of supply to "cutters" had been through retail chemists. In some areas chemists themselves were giving prominent display to the products of non-P.A.T.A. manufacturers.

The council considered the quarterly report on the Association's price-maintenance activities. Since the last meeting some fifty traders were placed on the stop list for price-cutting.

Trade Notes

CORRECTION.—Macleans, Ltd., Great West Road, Brentford, Middlesex, ask us to point out that inadvertently they quoted the old prices in the advertisement for Oslo which appeared in the *C. & D.* of July 16. Oslo prices are as follows:—Small size, 4s. 3d. per doz.; large size, 8s. 6d. Messrs. Macleans have recently introduced Macleans peroxide tooth powder in flat tins. Display material is available.

KOOLFEET INSOLES.—Pulsor (Great Britain), Ltd., 4 Broad Street Place, London, E.C.2, have introduced Koolfeet insoles, which are treated with a special preparation having a delightfully cooling effect on the feet. A display container for three dozen assorted sizes for ladies and gentlemen (illustrated on this page) is available. These articles are made entirely in Messrs. Pulsor's London factory.

VIC WRIST SUPPORT.—Grout & Co., Ltd., 35 Wood Street, London, E.C.2, direct attention to the Vic wrist support, which carries a patented elastic fastening. This support is strong and durable and can be washed. It is stocked in various colours by wholesalers, and six assorted colours on display cards.

MITIGAL IN SKIN DISEASES.—Mitigal is issued by Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, and is an organic sulphur compound intended for treatment in skin diseases when sulphur is indicated. It has numerous advantages, some of which are indicated in an advertisement in this issue. Mitigal solution is packed in bottles of three sizes, and the ointment in tubes of two sizes.

PRESTOBAND, the new adhesive bandage produced by Vernon & Co., Ltd., Preston, is obtainable through wholesale houses only. Attractive display material is freely available.

ANNUAL HOLIDAY, 1938.—Howards & Sons, Ltd., Ilford, announce that their works will be closed for eight days from July 25 to August 2 for the works annual holiday.

LABEL GUMMING MACHINES.—Types of "Beatall" label gumming machines, made by Farrow & Jackson, Ltd., 16 Great Tower Street, London, E.C.3, are advertised and illustrated in this issue.

SHOPFITTINGS, ETC., PRICE LIST.—Dudley & Co., Ltd., 451 Holloway Road, London, N.7, have sent us a copy of their latest price list relating to shop fittings. A very comprehensive range is illustrated, described and priced. Copies may be obtained on application.

NUTILIS DERRIS EXTRACT.—This preparation of derris, manufactured by Nutilis Products, Ltd., Victoria Works, Victoria Road, Kingston-on-Thames, is now being extensively advertised in the national daily Press. Supplies are obtainable from all wholesalers, four sizes being issued.

A CATEGORICAL DENIAL to a rumour to the effect that Madam Thamar, Ltd., 2 Beauchamp Place, London, is financially unsound is given in our advertisement pages. The directors point out that the company has had a record sales year and has just paid a preference dividend of 10 per cent.

NEW TYPE OF CATALOGUE.—Allondon, S.A., 5 Dyers' Buildings, Holborn, London, E.C.1, have introduced a new type of price list which gives quotations including free delivery. The price list consists of two sections: aromatic chemicals and compounds. They are issued bound in a stout, matt-surfaced folder.

NEW PEARS SOAP PRODUCT.—A. & F. Pears, Ltd., Isleworth, Middlesex, are directing attention in this issue to a new preparation described as Pears' rose bars, which are issued at attractive prices. The soap is packed in a wooden counter display box of two dozen double bars. Chemists may obtain a specimen bar and additional information by filling up and sending the coupon supplied on the advertisement page.

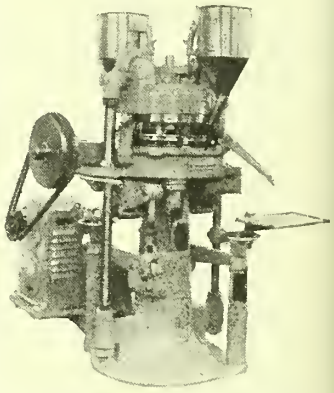
ANZORA DISPLAY MATERIAL.—Specimens of Anzora display material now available for all Anzora stockists are illustrated in our advertisement pages. These display stands are of different sizes, details of which are given. Chemists are invited to write for details of the special window display bonus to Anzora, Ltd., Africa House, Kingsway, London, W.C.2.

SOUTHALLS SAN TOWELS are packed in attractive cartons for display and are also issued ready wrapped with carrying string for the customer in a plain brown paper parcel. Further details are given elsewhere in this issue or may be obtained from the manufacturers: Southalls (Birmingham), Ltd., Charford Mills, Birmingham.

EVANS' SULPHANILAMIDE PRODUCTS.—Three additions to the Streptocide series of sulphanilamide products prepared by Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, have been made. They are as follows: Streptocide cream in collapsible tubes, powder in bottles of three sizes, and solution in ampoules and boxes of two sizes.

HOT-WATER BOTTLES.—The North British Rubber Co., Ltd., Castle Mills, Edinburgh, advertise in this issue four varieties of their hot-water bottles which are offered in various sizes at attractive rates, selling prices being P.A.T.A. price protected. Now is the time to take stock for the autumn and winter requirements, and there is sufficient variety available for different classes of businesses.

NEW STOKES BB-2 MACHINE.—Illustrated on this page is the new Stokes tablet machine marketed by Apex Construction, Ltd., Swan House, 133/135 Oxford Street, London, W.1. Many nationally - known manufacturers of tablets use the Stokes rotary tablet machines, and within the last few years every model has been redesigned, new exclusive features added, outputs increased and the cost of production lowered. The latest model for the larger production of pharmaceutical tablets, up to half an inch in diameter, is the new Stokes BB-2 rotary tablet machine. Because of an improved weight adjuster and a new cam arrangement, from 1,000 to 1,500 tablets per minute can be accurately produced on this machine without the use of multiple punches. Two individually measured and compressed tablets are separately formed with each pair of punches and dies with each revolution of the head. Accuracy of weight and uniform density or hardness can be assured. Like the other rotary tablet machines, this model is fitted with an automatic excess pressure. This feature prevents jamming and undue strain in the event of a part of a tablet being recompressed. An anti-capping device for which patents are pending permits operation at higher speeds with granulations which would otherwise "cap" and cause serious operation troubles. This feature is of increasing importance with granulations containing aspirin, acetanilide and amidopyrin, which usually contain considerable fine powder. The device insures in addition smooth ejection and lengthens the life of punches and dies. Adjustments for weight and hardness can be made while the machine is running. Greater cleanliness is promoted by guards which completely enclose clutch, drive gears, worm box, punches, cam and pressure rolls, protecting these parts from dust. A shoulder on the die table prevents dust from lodging in the die screw holes, and there is a built-in nozzle at the point of compression for collecting dust. The machine has twenty-seven pairs of punches. It is possible to "double compress" on a special model of this machine. Where the tablet is not larger than seven-sixteenths of an inch in diameter, then a special model is available. Further details may be obtained on application. The machine is built by F. J. Stokes Machine Co., Philadelphia.



Births

Notices for insertion in this column must be properly authenticated.

COURT.—On July 17, the wife of Stanley G. Court, M.P.S., Birchington, of a daughter.

HAMER.—At Bromley Grove Nursing Home, Shortlands, Kent, the wife of Stanley J. Hamer, M.P.S., 172 Upper Elmers End Road, Beckenham, of a son.

TAYLOR.—On July 20, the wife of Harold M. Taylor, M.P.S., Oldham, of a son.

Marriages

BARTON—PIMBLETT.—At all Saints' Church, Clayton-le-Moors, on July 14, Albert E. Barton, M.P.S., Clayton-le-Moors, to Selina Pimblett.

WESTON—HENDERSON.—At West Kirby, recently, Henry C. Weston, M.P.S., Birkenhead, to Margaret O. E. Henderson.

Silver Wedding

ROACH—PASCOE.—At Moor Wesleyan Church, Falmouth, Cornwall, on July 21, 1913, John T. Roach, M.P.S., to Mary S. Pascoe. Present address: Merivale, Cranes Park, Surbiton, Surrey.

Deaths

BALL.—At Alderley, Ansdell, Blackpool, on July 15, Alderman George Ball, M.P.S., formerly of Stockport, aged seventy-four. Alderman Ball settled in Ansdell on retirement, but maintained a close connexion with Stockport affairs. He leaves a widow and three daughters.

BUTLER.—At Weetwood House, West Park, Leeds, on July 17, Mr. Samuel Reginald Butler, late director and works manager of C. E. Fulford, Ltd., manufacturing chemists, Leeds.

COLE.—On June 23, William Cole, M.P.S., 114 High Street, Cowes, Isle of Wight. Mr. Cole qualified in 1883.

GAULD.—On July 4, Mr. James Gauld, M.P.S., at Thackeray Street, Liverpool, 8, aged sixty-nine.

HACKING.—At his home in Blackpool, on July 16, Mr. John Hacking, late managing director of Wardle Cotton Co., Ltd., surgical dressings manufacturers, Manchester, aged sixty-four.

JEFFERIES.—At the Queens Hospital, Birmingham, Mr. Arthur Jefferies, M.P.S., 100 Cabbington Road, Lillington, Leamington Spa, aged twenty-five.

LAWSON.—At Ambleside, on July 20, Mrs. Agnes Lawson, chemist and druggist, wife of the late Mr. Frederick Lawson, B.Sc., Ph.C. Mrs. Lawson qualified in 1899.

PARKER.—On June 24, Mr. Edmond Lloyd Philips Parker, M.P.S., Cheapside, Derby, aged seventy-six.

RIDER.—At Telegraph Road, Heswald, on July 9, Mr. Ernest Alfred Rider, M.P.S. Mr. Rider qualified in 1897.

ROBINSON.—On July 10, Mr. Charles Robinson, M.P.S., 23 Lilycroft Road, Bradford, aged sixty-two. Mr. Robinson served his apprenticeship in Bradford with Mr. F. A. Wilcock and qualified on April 15, 1897, from the Northern College of Pharmacy, Manchester. He commenced business on his own account in 1891 at Lilycroft, where he remained until his death. He was secretary of the Bradford Pharmaceutical Committee during the years of the Great War and continued as a member for some time after giving up the secretaryship. The funeral at Scholemoor Cemetery on July 13 was attended by nearly twenty officers and members of the Bradford Branch of the Pharmaceutical Society. Mr. Robinson is survived by a widow and a daughter who is a dispenser at St. Luke's Hospital, Bradford.

STANTON.—On July 5, Mr. Leonard William Stanton, M.P.S., 6 Lawrence Road, Hove, 3.

Personalities

MR. CYRIL FREDERICK SCURR, son of Mr. C. A. Scurr, M.P.S., 50 High Street, Barnet, Herts, has been successful in the recent intermediate medical examinations (anatomy, physiology and pharmacology) at London University.

MR. H. ANTCLIFFE (a member of the Pharmaceutical Society's Council) and Mr. L. Piper (chairman, Ipswich Branch, Pharmaceutical Society), together with Mrs. Antcliffe and Mrs. Piper, have recently returned from a tour of Italy.

MR. G. V. TYLER, M.P.S., who was recently elected president of the Manchester Pharmaceutical Association, was apprenticed to the late Mr. H. Flanders, Cambridge, and later served as junior assistant to Mr. E. H. Farr, Uckfield, Sussex. He served with the Special Brigade in France during the Great War and qualified in July 1919, after studying at the Bath and West of England College of Pharmacy, where he was successful in winning the College silver medal. He went into business at Swinton, Manchester, in August 1919, and is still in business at that address. He is chairman of the Manchester, Salford and District Branch of the Photographic Dealers' Association, a past chairman of the Manchester, Salford and District Branch of the National Pharmaceutical Union, a member of the Executive of the Manchester, Salford and District Branch of the Pharmaceutical Society, a member of the Lancashire Insurance Committee, secretary of the Manchester and District Pharmaceutical Masonic Association, and a founder member of the Swinton and Pendlebury Rotary Club, of which he is at present a member of the Council.

MR. J. M. EDWARDS (a director, Drug Houses of Australia Export, Ltd.) has been invited by the board to visit the associated companies in Australia, and branches of Kempthorne, Prosser & Co.'s New Zealand Drug Co. in New Zealand. Mr. Edwards will leave England on September 7, and will be away until February 1939.

Recent Wills

MR. CHARLES CHREE, 31 Forbesfield Road, Aberdeen, chemist and druggist, who died on October 15 last, aged sixty-eight, left personal estate in Great Britain valued £6,005.

MR. STANLEY CHARLES REDMAN, 13 Jessica Road, London, S.W.18, chemist, who died on December 4, 1937, left estate of the gross value of £917, with net personalty £868.

MR. JOSEPH WILLIAM ADAMSON, of Old Colwyn, Denbigh, retired chemist and druggist, who died on March 4, left estate of the gross value of £7,397, with net personalty £319.

MR. WALTER HENRY BAYS, M.P.S., 378 Birchfield Road, Redditch, formerly of Swindon, who died on April 7, left estate of the gross value of £1,837, with net personalty £422.

MR. JOHN EDWIN HUNTER, M.P.S., 10 Priory Road, West Bridgford, Notts, who died on October 20, 1937, left estate of the gross value of £1,672, with net personalty £1,636.

MR. ERNEST EDWARD ALLEN, 93 Widmore Road, Bromley, Kent, chemist and druggist, who died on February 19, left estate of the gross value of £6,238, with net personalty £4,931.

MR. JOSEPH SHADWICK, Hazelside, Wheatlands Road, Harrogate, Yorks, chemist and druggist, who died on September 19 last, left estate gross value £7,855, with net personalty £6,660.

MR. WILLIAM COULSON SPANTON, Torre Garth, Burton Leonard, near Harrogate, chemist, died on October 29 last, leaving property gross value £8,549, with net personalty £6,760.

MR. ALFRED RADLEY BRIGGS, of Grange Villa, Horbury, near Wakefield, Yorks, retired pharmacist, who died on April 18, left estate of the gross value of £15,158, with net personalty £12,670.

MR. GEORGE ROBERT HANKINSON, 107 Norton Road, Winton, Bournemouth, formerly of Uttoxeter, Staffs, late managing-director of Hankinson's Alterine, Ltd., who died on March 18, left estate of the gross value of £18,719, with net personalty £17,416.

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W/21 Sanosan Ointment

THE

CHEMIST AND DRUGGIST

VOL. CXXIX July 23, 1938 NO. 3050

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Physicians at Plymouth

THE Plymouth meeting of the British Medical Association is noteworthy in several directions. First of all, lengthy reports of the doctors' meetings have been given by the leading newspapers throughout the country. Secondly, the B.M.A. view of the nation's health services is brought forward in no half-hearted manner; in fact, it may be said that there are few people who can remain unaware of the coming changes in Britain's medical system, if they have read the very full reports in the public Press. It has been pointed out that the B.M.A. have recently undertaken an intensive advertising campaign, boosting the position of the medical practitioner in the community. It may well be suggested that through medical eyes if a national medical service is established, the physician comes first, and others, which of course includes the pharmacist, are nowhere. It is of interest to note that a general medical scheme for the nation was adopted at the meeting held on July 18. There are four principles of the plan :—

(1) Medical service should be directed to the prevention of disease as well as the relief of ill health.

(2) Every individual should have a doctor of his own choice.

(3) Specialist and other services would be provided through the family doctor.

(4) All medical services to be co-ordinated as a unit in a scheme of a planned national health policy.

What is, in fact, proposed is more or less a State medical service which one or two generations ago would have been rejected by the medical profession, but it must be noted to-day that the oncoming generations of medical men are much more favourably disposed towards such a scheme.

The presidential address given on July 19 by Dr. Colin Lindsay was entitled "The Profession and the Public." Medicine, he suggested, should be looked upon as a great industry at the selling end of which was the general practitioner. The B.M.A. scheme for the extension of the system of national health insurance to dependents of insured persons and others would bring three-quarters of the community within an official system of medical service.

Education was the weapon to be used against advertised remedies. He pointed out that there were good proprietary medicines as well as bad. This view is one which has been taken on previous occasions in these columns, since obviously the public to-day are less easily persuaded to buy valueless medicaments. With regard to playing the tune, as he called it, wanted by the public, it is obvious that many members of the medical profession themselves bow to the demands of the populace. The view is held, and rightly in some directions, that leave of absence from business due to sickness may be easily prolonged beyond what is undoubtedly reasonable. In this way it would be difficult to say that the physician is not entirely without prejudice in his decision. If the solution that medical men have for the so-called "patent" medicine trade is its total abolition, they come up against the difficulty of deciding where the line is to be drawn. Without the assistance of manufacturers of reputable proprietary medicines to-day the average general practitioner would cut a sorry figure in so far as his ability to prescribe, compared with that of his predecessors, is concerned.

Apart from the importance of the subjects discussed at the meeting, there is one very important conclusion to be arrived at. It is that it should be the aim of the organisers of the British Pharmaceutical Conference to throw open the doors as widely as possible to the Press so that something of the nature of the grievances of pharmacy in regard to national medical service should be thoroughly aired. It may be that the doctor can always be looked upon as a provider of a good story for the Press, but grievances to-day can be ventilated, even when a minority such as the pharmacists are is concerned. Too many of the discussions are held *in camera* for the good of the trade. Especially does this refer to the delegates' meeting at which the views of chemists all over the country are expressed and heard in private. It would appear that analogous medical meetings are freely reported. A breath of fresh air through the proceedings would act as a tonic to pharmacy and would help the public to discover that in the scheme of medical health services the pharmacist does play an important part although so little is heard of it. Unless, therefore, steps are taken to establish the pharmacist's claim in any such scheme as was proposed at Plymouth, pharmacy will find itself dragged once more at the coat-tails of the medical profession without hope of recognition or adequate remuneration.

Six Months' Trade

WHEN comparing the figures of our international trade for June and for the first-half of this year, with those of the corresponding periods of last year, it should be remembered that during January–June, 1937, we, with the rest of the world, experienced something in the nature of a small boom, with the figures recorded for each successive month showing substantial increases, resulting in imports increasing by over £80,000,000 and exports by more than £51,000,000; the second-half of last year was not nearly so satisfactory and since that time there has been no general revival. Both

our imports and exports for the 1938 six months show a sharp decline from the relative 1937 returns, with a drop of about £14,500,000 in imports and £25,700,000 in total exports; on the other hand, if this year's figures are set against the comparable totals of 1936, the 1938 returns show an increase of £67,000,000 in imports and nearly £26,000,000 in exports. Taken over a period of the past eight years the returns for January–June, 1938, are well above normal for imports, while our exports just about represent the average. Given steadier world conditions in the second-half of the year and a revival of trade in America, which is bound to come along and is now well due, there is fair reason to hope that the final returns for the year will be little, if any, short of those of 1937, which was admittedly a good year.

All Classes of Merchandise	Imports	Exports of U.K. Goods	Total Exports including Re-exports
	£	£	£
June, 1938	76,502,634	36,893,525	41,880,695
,, 1937	88,187,171	44,373,015	51,499,967
,, 1936	67,599,397	32,064,534	37,072,573
January–June, 1938	469,617,648	233,193,516	266,041,569
,, ,, 1937	484,100,792	251,214,245	291,767,593
,, ,, 1936	402,619,393	207,890,449	240,297,408

The six months figures for "Chemicals, etc.," may be considered satisfactory with imports showing a small shrinkage and exports also rather less than the corresponding totals recorded for the first-half of 1937. Exports of these products of home production, with re-exports, continue at nearly double the total value of imports. The monthly average value of arrivals was slightly less than £1,000,000 with our shipments outwards a little short of £2,000,000. It may be mentioned that the bulk of the imports consisted of basic raw materials, natural products and, to a lesser extent, pharmaceutical specialities, which largely represent classes of goods not available from home sources. During the six months the value of imports of proprietary medicines was £388,800, compared with £292,406 in 1937, and £262,148 in 1936, showing an increase of £126,500 in two years. Imports of quinine salts in 1938 (six months) amounted to £61,190, against £51,390 in 1937 and £60,963 in 1936. Medicinal oils landed in the first-half of 1938 amounted to £60,430, against £67,070 in 1937 and £56,962 in 1936. Other listed imports include citric acid, £45,846 in

Chemicals, Drugs, Dyes and Colours	June			January–June		
	1938	1937	1936	1938	1937	1936
	£'000	£'000	£'000	£'000	£'000	£'000
Imports ..	903	1,099	927	5,962	6,521	6,024
Exports of U.K. manufacture..	1,715	2,307	1,646	11,010	12,586	10,273
Re-exports ..	41·5	36·1	29·2	225·9	237·6	203·5

1938, and £54,917 in 1937; tartaric acid, £59,064 in 1938 and £75,540 in 1937. Boric acid imports declined from £34,981 in 1937 (six months) to £17,892 in 1938, and borax from £73,637 in 1937 to £49,449 in 1938. Germany continues to be the outstanding supplier of these classes of goods with a total of £1,790,886 in 1938, compared with £1,929,304 in 1937. America comes next with £1,144,593 in 1938 and £1,319,927 in 1937. Imports from Italy are once again normal with a total of £96,879 during January–June, 1938, compared with £1,510 in the first six months of 1936. On the other hand arrivals from Spain continue sharply downwards, with totals of £99,188 in 1936, £54,783 in 1937 and £36,768 in 1938.

Exports of proprietary medicines, practically all of which were destined to Empire countries, totalled £675,065 in 1938 and £710,127 in 1937. Shipments of quinine salts in 1938 totalled £89,834, £87,896 in 1937 and £69,023 in 1936. The total of exports of drugs, medicines and medicinal preparations (which includes the above two groups) during January–June, 1938, was £1,579,599, compared with £1,644,222 in 1937, and £1,455,801 in 1936. The leading purchasers of our exports were India, £1,408,511 (£1,506,897 in 1937), Australia, £909,959 (£966,562 in 1937), Union of South Africa, £871,249 (£839,493 in 1937), Eire, £593,193 (£582,027 in 1937), United States of America, £588,150 (£615,539 in 1937), Canada, £470,682 (£578,373 in 1937), New Zealand, £368,572 (£424,618 in 1937), Argentine Republic, £338,819 (£409,086 in 1937). Shipments to Spain increased from £79,532 in the first-half of 1937 to £203,780 in 1938, while our exports to China fell from £374,237 in January–June, 1937, to £67,230 in the corresponding period of 1938.

Quality of Saffron

Giving evidence in a recent prosecution taken under the Food and Drugs Acts at Falmouth, a bakery trade witness is reported to have stated "that since the outbreak of the civil war in Spain the flavour of Spanish saffron had deteriorated." It is possible that the limited quantities of the genuine Valencia product shipped from Spain during the past two years have not been quite up to the standard of the prime commodity exported in normal times, but, from samples we have seen, the slight falling-off in this respect would not be likely to account for any appreciable deterioration in flavour. The complaint of the Falmouth baker may be justified, yet it may be due largely to other factors. As the supplies of genuine Spanish saffron have declined to a position of acute scarcity, so the sales price has advanced to the high figure of 95s. per lb. Perhaps the suggested loss of flavour may be due to the fact that quantities of saffron, not of Spanish origin but derived from various Eastern sources, have been coming on the market. These materials are inferior to the Spanish product in flavour and colour, and unless it was blended with a fair proportion of the Valencia article it would be unsuitable as an ingredient in the famous West Country cake.

The point arose when two bakers of Falmouth were recently prosecuted by the Cornwall County Council for selling saffron cakes which were, it was alleged, not of the nature and substance demanded. The county analyst's certificates were to the effect (1) that the cake did not appear to contain any recognisable proportion of saffron, and (2) that the cake contained synthetic dye and no recognisable proportion of saffron. It was admitted that there was no standard with regard to the matter, and the county authority declined to define one. It was further admitted by the prosecution that it was impossible to declare that the cakes did not contain saffron amounting to less than 0.5 per cent. The defendants denied the allegations and claimed they had used saffron in the mixture from which the cakes were made, and the use of colouring matter was denied. The Bench dismissed the summonses, but declined to allow costs. The case is of interest to all retailers who sell to the public goods which come under the Food and Drugs Acts. No one will cavil at local inspectors exhibiting vigorous activity if they find conditions which contravene this legislation. In this case, however, it seems, according to reports, there is no recognised standard of saffron content in cakes of that name, and the prosecution were unable to refute the claims of the defendants that the mixtures did, in fact, contain a percentage of that commodity.

Chemical Research Applied to Medicine

IN a lecture to the German Chemical Society recently Professor Binz referred to the application of chemical research to medicine, and an abstract of the paper is given below. It was by accident, combined with careful observation, that the valuable discoveries which have reached us from the popular medicine of different periods and countries were made. To this class belongs the recognition of the therapeutic activity of mercury in diseases of the skin, especially leprosy. The Arabs prepared mercury in the form of grey ointment, and this was ready for use in the outbreak of syphilis in Europe shortly after the discovery of America. Mankind has been successful in the fight against syphilis with mercury and against malaria with quinine. Ether was discovered in the first half of the sixteenth century by Valerius Cordus, but its utility as an anæsthetic was not appreciated until 1846. Until then surgeons had ignored the pain of their patients when operating. Between the discovery of chloroform by Liebig (1831) and the recognition of its use as an anæsthetic by Simpson ((1847) is a lapse of sixteen years. Coca leaves were used by the Incas, but only for their tonic properties, to overcome fatigue and hunger. Cocaine was isolated in 1860, but it was not until 1879 that it was recommended as a local anæsthetic. Not until 1880 did E. Koller in Vienna state that with cocaine operations could be made upon the eye.

Chemotherapy

No systematic co-ordination between organic chemistry and medicine was possible before Kekulé's theory of tetravalent carbon and the benzene compounds. Only on such a basis was it possible to discover such therapeutic agents as antipyrine, aspirin, salvarsan, and so forth. Kekulé's benzene theory, which opened the door to the treasury of the coal-tar industry, also enabled a change to be made, at least partly, from the empirical method into a planned system. This is especially true of chemotherapy in combating the agents of infection with chemicals which destroy the parasites in the body of the patient without damaging the organs. The most important recent advances in chemotherapy are (1) the treatment of neurosyphilis, (2) malaria, (3) the recent developments in pyridine chemistry.

In order to combat an enemy it must be made visible, and the agents of infection were first rendered visible under the microscope by the use of aniline dyes. This was the principal means by which R. Koch, in 1882, discovered the bacillus of tuberculosis, and the agent of syphilis escaped detection so long because it is only faintly susceptible to aniline dyes; hence the name *Spirochæta pallida*. The search for chemotherapeutic agents is concerned with the preparation of compounds which are strongly parasitotropic and as little organotropic as possible, so that in therapeutic doses no harm is done to the patient. It was thought that such a compound was found already in 1863 by Béchamp, atoxyl; this was used in 1904 for the treatment of infectious diseases, especially sleeping sickness. The product proved unexpectedly organotropic, affecting the optic nerve and causing even blindness. For this reason Ehrlich replaced the pentavalent arsenic of atoxyl by the trivalent arsenic of salvarsan in the chemotherapy of syphilis. The latter compound attacks the spirochœta without harming the organs of the patient. So the goal seemed to have been reached, until it was shown that members of the salvarsan group, owing to their semi-colloidal condition, failed to penetrate everywhere, in particular through the walls of the cerebral cells and the spinal marrow, in which the spirochœta, on penetrating, caused neurosyphilis. Wagner-Jauregg, in 1917, instituted malaria therapy, and it was later shown that malaria treatment must be associated with arsenic. A compound with trivalent arsenic was prepared in 1908, but was not used owing to its activity in very small quantities. This preparation was revived in 1934 under the name of mapharsen.

The chemotherapy of sepsis shows what a long time may elapse between the discovery of a therapeutic agent and its being put to practical use. The already mentioned fact that micro-organisms may be rendered visible by means of dyes has led to the further discovery that the dyestuffs also destroy in many cases and therefore act as therapeutic agents. Auramine was recommended in 1890 against wound infection, and methyline blue in 1891 against malaria. Also chrysoidin showed a certain action *in vitro*, but failed in animal tests. If we replace an amino-group in chrysoidin by the sulphonamid-group, we have an important therapeutic agent. Dyes of this type had already been prepared in 1909, from which, through various synthetic products used in the textile industry, we reach in 1935 the chemotherapy of the prontosils. Hitherto chemotherapeutic agents have been of use only against microscopic animal organisms, to which class belong the causative agents of sleeping sickness, malaria and syphilis. They were helpless against the vegetable organisms, i.e. bacteria, especially the streptococci, which cause septic angina, septic scarlet fever, traumatic erysipelas and puerperal fever. These diseases are amenable to treatment with the prontosils. Although in 1908 there was available a therapeutic agent against streptococci, it was not realised until 1935. One cannot attribute the therapeutic activity of the prontosils to their characteristics as dyes; such compounds do not destroy the infecting agent because they stain its protoplasm. Rather is their value due to some constitutional and as yet unknown cause which in special cases disturbs the metabolism of the parasites.

Pyridine Derivatives

Various pyridine derivatives were prepared and in 1928 we come to neotropin. Further experiments in the author's laboratory led to the preparation of isomers of pyridium and neotropin. All these compounds are bactericidal and are used for urine disinfection. The author with C. Rath prepared many new compounds, on the hypothesis that pyridine, combined with iodine or arsenic, might lead to certain chemotherapeutic activity. A number of these arsenic and iodine compounds of pyridine were tested and found to be suitable for various infectious diseases in animals and human beings.

Following the discovery of Röntgen rays in 1895, a chemical substance was introduced which would not allow the rays to pass, but which cast a shadow. Now began the conquest of the internal organs by means of compounds of such elements as iodine, barium, bismuth and thorium. The aim of the urological researches, which began in 1906, to find a substance which could be injected into the bloodstream, and would pass through the kidneys and urinary track while giving a shadow and in no way harming the patient, was achieved. A series of compounds of pyridine with arsenic, antimony, etc., followed. With regard to the eventual medicinal use of these preparations, we are in a better position to carry out systematic tests; but we are still like the gold seekers who have to wash out huge quantities of sand to obtain a few grains of gold.

Essential Oil of Wormseed

PAGET (*"Journal of the Chemical Society,"* 1938, 829) publishes a further contribution to the chemistry of oil of chenopodium. Ascaridole, the active principle of the oil, is an unsaturated terpene peroxide. No theoretically correct method for its determination exists, in fact, it is not certain whether what is known as ascaridole is an individual or a mixture. It has now been obtained in the crystalline condition by cooling to about −20°, but no evidence as to whether it is a single compound or a mixture was thus obtained. Since rupture of the peroxide bridge, resulting in the formation of propane and *para*-cresol, and isomerisaton and condensation take place, it is easy to realise the difficulties in drawing accurate conclusions as to the character of the substance. Although chenopodium oil decomposes explosively on heating, it can be fractionally distilled under reduced pressure. Ascaridole thus obtained was found to boil at 112°-115° at 20 mm. pressure, and to have a specific gravity of 1.0074 at 18° and specific rotation −2.3°. As determined by the titanous chloride process, this product showed 100 per cent. of ascaridole. It was dissolved in light petroleum ether, and cooled in solid carbon dioxide, when at about −20° a good crop of crystals was obtained. The supernatant liquid was removed by suction, and the solid matter recrystallised twice in the same manner. The final crop, thus purified melted at 2°, boiled at 113°-114° at 20 mm. pressure, and had specific gravity of 1.0114 at 18°, and specific rotation −0.3°. Its iodine absorption value (Wijs) was 144.5.

New French Codex

(*Continued from* THE CHEMIST AND DRUGGIST, *July* 16, *p.* 62)

THE following medicaments have been deleted from the New French Codex, although they still remain official, as will be seen from an extract from the preface to the Codex V (1908) which states :—" The General Commission in agreement with the new jurisprudence has decided that the Codex should be considered as constituted by the ensemble of all its editions; that, in consequence, it is sufficient that a medicament has been mentioned in any one of the editions of the Codex for it to be official. When a formula has been modified, only the formula given in the latest edition is official."

We understand that the Codex Commission is preparing an *errata* of the New Codex, including an order modifying the new poisons regulations which will be sent direct to all possessors of the Codex. This is made possible by the numbering of each copy of the publication.

Medicaments Deleted

Agaric de chêne
Alcoolature vulnéraire
Alun calciné
Alun desséché
Amadou
Ammonium (iodure)
Amyle (azotite)
Antimoine (pentasulfure)
Antimoine (soufre doré d')
Apozèmes
Apozème blanc
Apozème de cousso
Apozème d'écorce de racine de grenadier
Apozème purgatif
Araroba purifié
Argent
Arsenic (sulfure jaune)
Asclépiade
Azotique (acide) dilué
Badiane du Japon
Bains médicinaux
Bain alcalin
Bain de Barèges artificiel
Bain de sublimé corrosif
Bain gélatineux
Bain sulfuré
Bain sulfureux
Bain de Tessier
Bain de Vichy artificiel
Baume nerval
Berberis
Bismuth (oxyde hydraté)
Bistorte
Brome
Bromhydrique (acide)
Calcium (chlorure fondu)
Camphre monobromé
Cataplasme de fécule
Cataplasme de farine de Lin
Caustique de chlorure de zinc
Caustique de potasse et de chaux
Charge de lebas
Chêne
Chrysarobine
Chrysophanique (acide)
Cinchonidine (sulfate)
Collodion iodoformé
Collyre à la pierre divine
Courge potiron
Cousso
Crayons d'azotate d'argent mitigé
Crayons d'iodoforme
Croton tiglium
Cyanhydrique (acide)
Cyanhydrique dissous
Dammar kauri
Décoction blanche de Sydenham
Diéthylsulfone méthyléthylméthane
Dompte-venin
Eau minérale de Seltz
Eau sédative
Eau vulnéraire rouge
Électuaire de copahu composé
Électuaire diascordium
Emplâtre brun
Emplâtre caoutchouté simple
Emplâtre de poix de Bourgogne
Émulsion d'huile de foie de morue
Épine-vinette
Éponges aseptiques
Essence d'amande amère
Éther amylazoteux
Éthyle (iodure)
Extrait d'aconit (alcoolique)
Extrait de condurango (fluide)
Extrait de cubèbe
Extrait de digitale
Extrait de douce amère
Extrait de stigmates de maïs
Fer (sulfure pur)
Fleurs de soufre lavées
Fraxinelle
Fucus crispus
Fumigation de chlore
Fumigation guytonienne
Gaze au bichlorure de mercure
Gaze iodoformée
Gaze phénolée
Gaze salolée
Gazoline
Globules
Granules de strophanthine
Huile d'amande décolorée
Huile au biiodure de mercure
Huile de foie de morue créosotée
Huile de foie de morue phosphorée
Huile à l'iodure mercurique
Huile de jusquiame
Huile lourde de houille
Huile d'olive purifiée stérilisée
Huile phéniquée
Huile phosphorée au 1/1.000
Huile phosphorée au 1/100
Huile de vitriol
Huile volatile de tanaisie
Hydrastine
Indigo
Lavement à l'amidon
Lavement laxatif
Limaille de fer porphyrisée
Limonades
Limonade sulfurique
Limonade tartrique
Liniment ammoniacal
Liniment au chloroforme
Liniment volatil
Manganèse (bioxyde)
Manganèse (peroxyde)
Manganèse (protochlorure)
Médecine noire
Mellite simple
Mercure (azotate de bioxyde)
Mercure (benzoate)
Miel de Scille
Moelle de bœuf purifiée
Moutarde blanche
Nitrile formique
Nitrite d'amyle
Noir d'os
Onguent Ægyptiac
Onguent brun
Onguent citrin
Onguent de la mère Thècle
Opiat de copahu composé
Or en feuille
Orange douce
Orpiment
Oxymel simple
Papier au chlorure mercurique
Papier moutarde
Papier nitré
Pastilles de menthe
Pastilles de menthe anglaise
Pastilles de menthe à la goutte
Pastilles de Vichy
Pâte de canquoin
Pâte dite de guimauve
Pâte de papier
Pâte pectorale
Pâte au candi
Pédiluve sinapisé
Peptones médicinales
Perles
Pétrole léger
Pétroles d'Amerique (produits retirés des)
Pétroles du Caucase (produits retirés des)
Phénol crésylique
Picrotoxine
Pierre à cautère
Pierre divine
Pilules d'aloès et savon
Pilules bleues
Pilules de carbonate ferreux (Valet)
Pilules de Dupuytren
Pilules mercurielles simples
Pilules mercurielles savonneuses
Pilules de Sédillot
Pointes de Paris
Poivre long
Pommade dite baume nerval
Pommade au calomel
Pommade au chloroforme
Pommade au chlorure mercureux
Pommade au chlorure mercurique
Pommade citrine
Pommade épispastique jaune
Pommade au précipité blanc
Pommade au protochlorure de mercure
Potassium (cantharidate)
Potassium (cyanure)
Poudre d'amidon
Poudre d'anis
Poudre d'aunée
Poudre de bioxyde de manganèse
Poudre de blanchiment
Poudre d'écorce de chêne
Poudre de gomme gutte
Poudre de guimauve
Poudre de phellandrie aquatique
Poudre de pyrèthre (racine)
Poudre de quinquina jaune
Poudre de santal rouge
Poudre de stropbanthine au 1/100
Poudre de tartrate neutre de potasse
Poudre de Vienne
Protocarbonate de fer
Proto-sulfure de fer
Proto-sulfure de sodium
Pulpe de tamarin
Pyrolusite
Quinine (formiate basique)
Quinine (glycérophosphate basique)
Ratanhia (poudre)
Rhubarbe d'Autriche
Rhubarbe de France
Rumicine
Safran de Mars apéritif
Salpêtre
Sangsue
Savon noir
Savon (pilules)
Scille (poudre)
Sel de La Rochelle
Sel volatil
Sinapismes en feuille
Sirop d'amandes
Sirop de fumeterre
Sirop de miel
Sirop de mousse de corse
Sirop d'orgeat
Sirop pectoral
Sirop de stigmates de maïs
Sodium (acétate)
Sodium (glycérophosphate dissous)
Soluté d'azotate d'argent au cinquantième
Soluté dit de benzoate de mercure
Soluté de carmin d'indigo
Soluté de glycérophosphate de soude
Soluté de gutta percha
Soluté de peptonate de mercure
Solute de tuberculine
Soufre doré d'antimoine
Sparadrap de cantharidate de potasse
Strontium (lactate)
Strophanthine
Styrax onguent
Suc de cresson
Sucre en pain
Suie de bois préparée
Suif de mouton
Sulfate d'alumine et potasse desséché
Sulfate de quinine léger
Sulfite sulfuré de soude
Sulfo-antimoniate de sodium
Sulfure de fer hydraté
Sulfure de fer par voie humide
Sulfure ferreux
Sulfure de potasse
Sulfurique acide (ordinaire)
Suppositoires d'aloès
Suppositoires de suif
Tablettes de cachou simples
Tamarin (pulpe)
Tamarinier
Teinture d'asa-fœtida
Teinture de musc
Teinture vulnéraire
Térébentbine de Bordeaux
Térébinthe
Terre foliée minérale
Terre foliée de tartre
Thé de Saint-Germain
Thé suisse
Thé (tisane)
Tilleul (bain)
Tilleul (tisane)
Tisane de bourgeon de pin
Tisane de bourrache (fleur)
Tisane de consoude
Tisane de gomme
Tisane de graine de Lin
Toxines
Traumaticine
Trypsine
Valérianate de quinine
Vératrine amorphe
Verdet cristallisé
Vin diurétique de la charité
Vin de Scille composé (de la charité)
Winter
Zinc (cyanure)
Zinc (valérianate)

TSETSE FLY RESEARCH.—A free grant to the Tanganyika Tsetse Research Department of £207,974, to be spread over the next seven years, is recommended by the Colonial Development Advisory Committee, in its annual report issued recently. Two-thirds of the total area of Tanganyika is still infested with the tsetse fly. Tanganyika is allocating £11,000 a year to the work of the Research Department.

PYRETHRUM CULTIVATION IN KENYA.—The progress made during recent years in the cultivation of pyrethrum flowers in Kenya is outlined in an article appearing in " Industrial and Engineering Chemistry," July, p. 835. Pyrethrum was introduced into Kenya experimentally in 1928. The pyrethrin content of specimens grown there was so promising that in 1931 a quantity of specially selected seed was sent from the Plant Pathological Station of the Ministry of Agriculture and Fisheries in Hertfordshire. Expansion from the experimental stage to commercial production began about 1932, from when the industry in Kenya really dates. Unlike other pyrethrum-growing countries, in Kenya there is a continuous production of the flowers, and high pyrethrin contents are secured by picking the flowers as mature as possible. It was first observed that the pyrethrin content of Kenya flowers was 1.44 per cent., and in ten car loads delivered to America in 1936 an average of 1.38 per cent. was found.

Pharmaceutical Society of Great Britain

London Examination Results

THE following are the results of the examinations held in London during the present month:—

Examination	Entered	Absent	Failed	Referred (One subject)	Passed
Preliminary Scientific :—					
(*a*) Whole examination	359	3	162	96	98
(*b*) Referred subject	118	—	—	69	49
Chemist and Druggist Qualifying :—					
(*a*) Whole examination	445	6	129	116	194
(*b*) Referred subject	37	—	—	11	26

The board prescribed that before re-entry 128 candidates should undergo a further course of study as follows: *Preliminary Scientific examination.*—In all subjects, 51 ; in biology, 7 ; in botany section of biology*, 48 ; in chemistry, 7 ; in physics, 6 ; in biology and chemistry, 1 ; in botany and chemistry, 3 ; in botany and physics, 2 ; in chemistry and physics, 1. *Chemist and Druggist Qualifying examination.*—In all subjects, 1 ; in pharmaceutics, 1.

SUMMARY OF REJECTED CANDIDATES

Subject	Entered	Absent	Referred	Failed
Biology (botany + zoology) ...	160 } 435	2 } 3	28 } 120	52 } 163
(Botany section only)* ...	275	1	92	101
Chemistry...	379	3	25	124
Physics	377	3	20	125
Pharmacognosy	450	6	17	76
Pharmaceutics	456	6	68	111
Physiology	442	6	15	78
Pharmaceutical chemistry ...	452	6	17	66
Forensic pharmacy	455	6	10	60

* These candidates are exempt under Regulation 9 (*c*) from examination in the Zoology section of Biology.

CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

The following candidates have satisfied the examiners:—

Abinett, C., Southsea
Allen, D. P., Cardiff
Allen, J., Hull
Allen, S. H., Biddulph
Ashby, F., South Woodford
Austin, A. W., Newport
Bailey, Kathleen B., Southampton
Baker, B., Aberaman
Baldock, E. H., Stainforth
Balshen, J., Ramsbottom
Bannister, H. P., Colne
Barker, T., Blundellsands
Bearman, A., Rickmansworth
Beckett, W. N., Giltbrook
Bellsmith, W. H., Folkestone
Belovitch, Millie, Manchester
Bemrose, J. W., Dawley
Beynon, Nina G. R., Eltham
Billington, H. K., Maidenhead
Black, T. C., Mill Hill
Blackstock, F. J. E., Southall
Braybrook, P. H., St. Albans
Bridger, J. W. E., Richmond
Brookes, G. J., Cheltenham
Browett, Rowena M., Seaton
Brown, C. K., Bolton
Brunning, E. J., Plumstead
Buckler, E. M., Coventry
Callow, P. S., Liverpool
Carr, E. O., Cleethorpes
Carter, H. W., Calne
Casbolt, J. A., Cambridge
Chaloner, W. M., Crewe
Chambers, G., Halifax
Clegg, P. J., Barry
Cocking, J. E., Chesterfield
Colegrave, A. G., Banbury
Collings, Alison, Cambridge
Cook, Adrian M., Darlington
Cook, L. N., Edmonton
Corden, S. J., Shoeburyness
Cosstick, C. W., Hounslow
Coxon, A. A., Gillingham
Cramp, F. A., Ashford
Crowe, Edna F., Neasden
Curd, A. C., Canterbury
Davenport, M., Surbiton
Davey, J. H., Sidmouth
Davies, D. R., Treharris
Davies, Meiron, Barmouth
Davies, T. C., Llandyssul
Davis, F. A., Grantham
Dean, E., Castleford
Dennis, F. P., Lincoln
Dickinson, J., Weymouth
Dickinson, T., Barrow
Dixon, J. T., Ventnor
Dobson, R. W., Manchester
Donnelly, C. F., Gosport
Duckett, H. H., Highbridge
Dyson, Anne V. M., Bedford
East, M. J., Lincoln
Eastwood, C. H., Knaresborough
Edwards, R. H. G., Bristol
Ellard, J. B. Folkestone
Ellis, M. A., Huddersfield
Evans, A. G., Carmarthen
Evans, W. P., Llanrwst
Exley, K. L., Market Harborough
Fells, G. A., Worksop
Fisher, D. E. G., Cambridge
Foster, E., Blackpool
Furniss, T. N., Ventnor
Gamlin, E. G. T., Taunton
George, R. P., Brighton
Goldstein, C., Spitalfields
Gordon, M. A., Kensington
Goulding, F. A., Bournbrook
Graham, H. J. E., Bristol
Green, B. J. G., Broadstone
Griggs, T. H. S., Norwood
Grinstead, D. W., Maidenhead
Gude, V. C. R., Whitstable
Hall, B. F., Newmarket
Hanney, E. H., Bath
Harper, D., Nantyglo
Harris, D. G., Margate
Hart, H., Peterborough
Hartley, J. N., Reedley
Hayball, J. N., Grimsby
Haycock, Margaret, Ashtead
Haynes, O. A., Oxford
Hersh, S., Clapton
Heywood, S. S., Blackpool
Hicks, P. V., Brighton
Hill, H. B., Luton
Hobbert, N. R., Bristol
Hocking, C. J., Plymouth
Hoile, R. T. S., Brighton
Holden, O. G., Wandsworth
Holland, K., Romford
Holt, E. B., Rochdale
Holtom, Patricia, Birmingham
Hopkins, R., Frome
Hopkins, T., Neath
Horton, E. W., Dagenham
Hughes, D. A., Bury St. Edmunds
Hutchinson, Sarah, Holywell
Jaffe, M., Ilford
Jennings, D. M., Camberley
Jevons, H., Blackburn
Jewitt, W. K., Darlington
Johnson, Muriel, Bradford
Jones, D. J. O., Pontyberem
Jones, E. K., Liverpool
Jones, G. L., Aberdare
Jones, H. E. J., Bristol
Jones, W. P., Merthyr Tydvil
Kemp, A. W., Walsall
Kemp, J. A., Bournemouth
Kimber, R. C., Aldershot
Kingsley, F. S., Bristol
Lewis, J. H., Poole
Lindley, J., Bedford
Llewellin, H., Milford Haven
Lloyd, H., Blaenau Festiniog
Lodge, F. J., Harold Wood
Looker, Janet M., Norwich
Loveridge, J. M., Alresford
Male, B. R. H., Westcliff
Mallard, Vera M., Clapham
Marriott, P. H., Weston-super-Mare
Marsh, D. J., Bristol
Martin, G., Chatham
Meade, R. A. G., Cringleford
Meakin, W. J., Fenton
Miles, R., Rotherham
Morgan, H. J., Liverpool
Morley, H. S., Cambridge
Munt, P. C., Southwold
Nash, W., Bury St. Edmunds
Newcomb, R. A., Reading
Norman, R. S., Leighton Buzzard
Norton, D. A., Birmingham
Oakley, J. H., Shepperton
Orton, W., Abbots Bromley
Osman, R., Southampton
Page, J. W. E., Wednesbury
Page, R. G. S., Banbury
Pavey, Mazie E., Isleworth
Pearson, F. A., Westminster
Penny, N. C., Sherborne
Perkins, H. F., Banbury
Perry, G. H., W. Bromwich
Pickford, L. F., Stockport
Pitchford, G. R., Penarth
Pratt, R. A., Idle
Pritchard, L., Holyhead
Richardson, E. M., Newton Abbot
Richmond, E. E., Clapham
Ridings, Bessie, Radcliffe
Roberts, D. H., Ashtead
Rogers, A. E., Blackburn
Rose, K. H., Seven Kings
Rosser, L. V., Manchester
Rowe, G. E. V., Penzance
Rowe, H. A., Plymouth
Rowell, Josephine M., Wiveliscombe
Salt, G. H. H., Leek
Sanders, H., Lincoln
Saw, A. F., Bexhill-on-Sea
Saxon, L., Chadderton
Scotney, K., Huntingdon
Seagrave, O. J., Oxford
Sharp, Violet M., Uxbridge
Shenton, K. J., Ashton-under-Lyne
Shurlock, W., Cranleigh
Simmonite, D., Oldham
Sloane, A. M., Kroonstad
Smedley, Joan H., Spondon
Smith, G. H., Finsbury Park
Smith, L. W., Hatfield
Smith, W. F., Dover
Sole, E. H. S., Grahamstown
Swade, L. H., Stepney
Swan, Winifred M., Bournemouth
Swanton, R. C., Sydenham
Swift, R. W., Sheffield
Sykes, W., Bolton
Thackray, W. H., Sheffield
Thomas, A. E. W., Wolverhampton
Thomas, C., Clydach
Thomas, D. L., Bath
Thomas, L. A., Cardiff
Thomas, N., Derby
Tidy, Vera M., Beaconsfield
Tinkler, V. S., Leicester
Tompkin, G. W., Nottingham
Veale, S. H., Plymouth
Veitch, Ruth A., Ashford
Wadsworth, J., Oldham
Wakefield, A. J., Derby
Walker, J., Bury
Ward, H. T., Ilford
Wesley, F., Neasden
White, L. H., Southwark
Whitehurst, W., Stoke-on-Trent
Whitmore, Barbara, Rock Ferry
Wicks, W. R., Shanklin
Wilder, T. A., Taplow
Williams, D. P., Caterham
Williams, F. H., Ashton-in-Makerfield
Williams, H. E., Lydney
Wilson, F., Seaham Harbour
Wilson, G., Worksop
Wilson, W., Haslingden
Wilstead, H. C. N., Sittingbourne
Wixley, R. P., Mapperley
Wright, W. J., Bedford
Wright, Zella M., Bristol

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, July 21

A TENDENCY FOR the recently improved volume of business to deteriorate is noted in some directions this week, but the generally slightly better level of values is being maintained, and in quite a few instances quotations show a further advance. The slackening in demand may, of course, be due to the approach of the holiday season. Foreign exchanges have improved against sterling, and this has tended to harden shipment markets a trifle. A good feature of the Mincing Lane products has been a revival of export demand from the Continent generally, but particularly from the Baltic countries. The PHARMACEUTICAL CHEMICALS markets have shown no improvement in business, with sales chiefly of a routine character. IODIDES are steady at the advances recorded for these salts last week. Inquiry for EPHEDRINE HYDROCHLORIDE B.P. is broadening, and sales prices are fully steady and may harden.

Crude Drugs

The demand for these products has not been quite so good this week, but spot values are keeping quite up to the recent advances. Some of the leading speculative commodities show a further increase. A good deal more business for AGAR and values show a recovery. Curaçao ALOES continue to be called for on spot and stocks are now extremely low ; the shipment market is firm at very high figures. BALSAMS are rather easier and dull. Fair sales on spot of BUCHU reported. All descriptions of CARDAMOMS remain dull and values are somewhat easier. There is a tendency for the shipment market for new crop CASCARA SAGRADA to firm up from the recent depressed figures. Zanzibar and Madagascar CLOVES are steady at the recent improvement in values. The shipment markets for all descriptions of ERGOT are very firm and the few offers are at high prices ; spot stocks are reported to be negligible. Prices for GENTIAN have declined. The shipment market for Sudan GUM ACACIA is firmer. Egyptian HENNA continues scarce and dear on spot. The source reports HYDRASTIS firm with little offered for shipment. Matto Grosso IPECACUANHA is a shade easier. Japanese MENTHOL has had a quieter week of business, but the market continues firm. PIMENTO shows a further sharp advance, spot and forward.

Essential Oils

General trade has been rather quiet this week, with the main seasonal lines still without anything like a normal demand. A steady sale on spot at advancing prices is recorded in ANISE (STAR); few shipment offers. BERGAMOT is steady but quiet. The cheaper spot parcels of Chinese and Japanese CAMPHOR oils are reported cleared and the market tends dearer. Keen prices are noted for CASSIA, market quiet. CITRONELLA oils have remained dull. Business in Sicilian hand-pressed LEMON has again been slow, while the Californian oil seems to sell steadily. Spot holders' quotations for French Guinea ORANGE tend to become competitive in the absence of a good seasonal demand. The Californian oil is selling fairly well. PALMAROSA remains slack. A firm tone continues in the Japanese PEPPERMINT market, while business has been rather quieter. The American oil is firm for shipment. Quotations from the source for SPEARMINT are well maintained at the recent advance.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	July 14	July 21
Amsterdam	Fls. to £	12·107	8·95½	8·94½
Berlin	Mks. to £	20·43	12·25	12·23
Brussels	Belgas to £	nominal	29·12	29·08
Copenhagen	Kr. to £	18·159	22·40	22·40
Lisbon	Esc. to £	110	110¼	110⅛
Madrid	Ptas. to £	25·24½	nominal	nominal
Milan	Lire to £	92·46	93¾	93½
Montreal	Dols. to £	4·86⅔	4·96½	4·93½
New York...	Dols. to £	nominal	4·92¾	4·91½
Oslo	Kr. to £	18·159	19·90	19·90
Paris	Fr. to £	124·21	178¼	178¼
Prague	Kr. to £	164·25	142½	142¼
Stockholm	Kr. to £	18·150	19·40	19·40
Warsaw	Zloty to £	43·38	26½	26
Zurich	Frs. to £	25·2115	21·57	21·48

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

BUSINESS continues on rather modest lines, with the general tone steady. Iodides are steady at the advances recorded last week. Ephedrine hydrochloride, B.P., is receiving good inquiry.

ASPIRIN.—Makers' and dealers' prices are steady: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 3s.; 14 lb., 3s. 1½d.; 7 lb., 3s. 2¾d.; 4 lb., 3s. 4½d.; 1 lb., 3s. 7d. per lb. Bulk packing free, net, carriage paid. Contracts over twelve months, minimum one ton ; over six months, less than one ton.

BENZOIC ACID (B.P.).—Makers' prices continue at the recent reduction: five cwt., 1s. 7½d.; one cwt., 1s. 8d.; smaller parcels, from 1s. 9d. up to 2s. 2d. per lb., as to quantity.

BISMUTH SALTS.—Makers' home trade and export scales of prices for these salts continue steady:—

	Net Monthly Account			Net 14 days	
	Under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Not less than 1 cwt.*
	s. d.	s. d.	s. d.	s. d.	s. d.
Carbonate ... ... (Home Trade only)	8 6	8 0	7 3	6 9	6 6
Citrate	11 10	11 4	10 7	10 1	9 10
Nitrate Cryst.... ...	6 8	6 2	5 5	4 11	4 8
Oxide	12 11	12 5	11 8	11 2	10 11
Salicylate	10 0	9 6	8 9	8 3	8 0
Subchloride	12 8	12 2	11 5	10 11	10 8
Subgallate	9 8	9 2	8 5	7 11	7 8
Subnitrate	7 10	7 4	6 7	6 1	5 10

* Contracts are hooked for 1 cwt. and upwards for delivery over three months and are subject to a rise and fall clause. A rebate of 3d. per lb. is allowed on sales of not less than 2 cwt. (assorted if required) provided delivery is completed within three months. All deliveries ex contract are sold on net cash 14 days' terms.

CITRIC ACID (B.P. CRYSTALS).—Fair business continues: British material quoted at 1s. 0¼d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for wholesale bulk quantities are quoted as follows:—HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz.; 16-oz. packages free, smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows:—HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Resale: Sales subject to buyers undertaking not to resell any quantity at below the scale prices for such quantity current at the time of resale. Export prices vary according to destination.

CREAM OF TARTAR.—Business on moderate scale: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

EPHEDRINE.—Makers' quotations for Hydrochloride, B.P., are steady, with quantities of not less than 1,000 oz. from 6s., and smaller parcels up to 7s. per oz. Pure, alkaloid, 7s. 9d. to 8s. 6d. per oz., as to quantity.

GALLIC ACID.—Limited demand, market steady: one cwt., 3s.; 56 lb., 3s. 1d.; smaller parcels, up to 3s. 6d. per lb.

IODIDES.—Makers' prices for the salts continue at the advances recorded last week. The new scales are as follows:—POTASSIUM, B.P. —Not less than 1 cwt., 5s. 3d.; not less than 28 lb., 5s. 6d.; not less than 14 lb., 5s. 9d.; not less than 7 lb., 6s. 3d.; not less than 4 lb., 6s. 9d.; smaller quantities, 7s. 3d. per lb. SODIUM, B.P.—Not less than 28 lb., 6s. 6d.; not less than 14 lb., 6s. 10d.; not less than 7 lb., 7s. 4d.; not less than 4 lb., 8s.; smaller quantities, 8s. 10d. per lb. IODINE, B.P., RESUBLIMED.—Not less than 1 cwt., 5s. 9d.; not less than 28 lb., 6s.; not less than 14 lb., 6s. 3d.; not less than 7 lb., 6s. 9d.; not less than 4 lb., 7s. 5d.; smaller quantities, 8s. 2d. per lb. IODOFORM, B.P., CRYST., PRECIP. or POWDER.—Not less than 28 lb., 8s. 3d.; not less than 14 lb., 8s. 7d.; not less than 7 lb., 9s. 3d.; not less than 4 lb., 10s. 1d.; smaller quantities, 10s. 11d. per lb. Contracts for

1 cwt. and upwards (assorted if required) with fall clause, for delivery as required during four months. 28-lb. tins and 1-cwt. cases free. All bottles are charged, but will be credited in full if returned, carriage paid, in good condition within three months. Carriage paid on any quantity. It is a condition of sale that buyers undertake not to resell any quantity of the above products at prices or terms below the scale for any such quantity current at the time the resale is made. The previous alteration in prices was on August 9, 1937.

METHYL SALICYLATE.—Not much business of importance moving: spot, ten cwt., 1s. 1¾d.; five cwt., 1s. 2d.; one cwt., 1s. 2¼d.; less than one cwt., 1s. 3d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers' quotations are keen; business small: two cwt., 19s. 9d.; one cwt., 19s. 9¾d.; 56 lb., 20s. 2¾d.; small parcels, up to 20s. 8d. per lb.

PARAFORMALDEHYDE.—Quoted unchanged: 100 per cent. powder, quantities in kegs, 1s.; smaller parcels, up to 1s. 4½d. per lb., as to quantity.

PARALDEHYDE.—Occasional inquiry: in carboys, 1s. 2d.; in winchesters, 1s. 5d. to 1s. 6d.; in bottles, 1s. 7½d. to 1s. 10½d. per lb., ex store.

PHENACETIN.—Continues steady; moderate demand: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7½d. up to 3s. per lb., as to quantity.

PHENAZONE.—Remains quiet and competitive: crystals, five cwt., 6s. 9¾d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, 7s. 6d. per lb., with powder 2½d. per lb. extra.

PHENOLPHTHALEIN.—Quoted prices are unchanged: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHENYLETHYLBARBITURIC ACID.—Small parcels, in 2-lb. bottles, are quoted at about 18s. to 19s. 6d. per lb., as to quantity.

PHOTOGRAPHIC CHEMICALS.—Home makers' prices are as follows: AMIDOL.—28 lb., 8s.; 14 lb., 8s. 9d.; 7 lb., 9s. 6d., in free 7-lb. tins; under 7 lb. 12s. per lb., in free 1-lb. bottles. CHLORQUINOL.—1-lb. bottles, 21s. per lb. GLYCIN.—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. HYDROQUINONE.—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. METOL.—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 6d., tins free; 3 lb., 12s., bottles free; 1-lb. bottles, 12s. 6d. per lb., bottles free. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 21s. per cwt.; 28 lb. for 6s. GOLD CHLORIDE.—15-grain tubes, 45s. per doz. MAGNESIUM POWDER.—10s. per lb. PARAMIDOPHENYL HYDROCHLOR.—8s. 6d. per lb., bottles free. POTASSIUM FERRICYANIDE.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. POTASSIUM METABISULPHITE.—One cwt., 8d.; 28 lb., 9d.; 14 lb., 10d.; 7 lb., 1s. per lb. PYROGALLIC ACID, CRYST.—28 lb., 7s. 3d.; 14 lb., 8s.; 7 lb., 8s. 9d.; under 7 lb., 9s. 3d. per lb. SODIUM (CARBONATE RECRYST.).—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. SODIUM HYPOSULPHITE, CUBES, CRYST.—5 cwt., 17s.; 1 cwt., 19s. 6d.; per cwt.; 56 lb., for 11s. 6d.; 28 lb. for 6s. SODIUM SULPHIDE (PURE).—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. SODIUM SULPHIDE, RECRYST.—One cwt., 21s. 6d. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

POTASSIUM PERMANGANATE (B.P.).—Continues steady and in fair demand: in drums, 8¾d. to 9d.; druggists' parcels, from 10d. to 1s. per lb.

POTASSIUM SULPHOGUAIACOLATE.—Business slow; quoted at about 6s. 1d. to 6s. 6d. per lb., as to quantity.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9¾d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; dihydrochloride, 3s.; hydrobromide, 2s. 8½d.; dihydrobromide, 3s.; valerianate, 3s. 8d.; hydrophosphite, 4s.; alkaloid, 3s. 0½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

RESORCIN.—Makers' home trade prices are steady: crystals, one cwt., 5s. 5d.; 56 lb., 5s. 6d.; 28 lb., 5s. 7d.; 14 lb., 5s. 9d.; 7 lb., 6s.; smaller quantities, up to 7s. per lb.

ROCHELLE SALTS.—Makers' prices are steady:—

—	Pulv. Sod. Pot. Tart. B.P.	Pulv. Seidlitz	Double Seidlitz
	Per cwt. s. d.	Per cwt. s. d.	Per cwt. s. d
Under 1 cwt.	85 0	68 0	76 5
Under 5 cwt.	82 6	66 3	73 3
Over 5 cwt. in one delivery ...	80 0	64 3	71 0

Soda. pot. tart. cryst. at 2s. 6d. per cwt. extra to powder, net, 14 days. Special prices for quantities. Contracts accepted subject to a rise and fall clause.

SACCHARIN.—Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Makers' scale of prices unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0¾d.; 4 lb., 2s. 2½d. per lb.

SALOL.—Business quiet, with quotations keen at about 2s. 1½d. to 2s. 6d. per lb., as to quantity.

SANTONIN.—Market is dull and competitive: bulk lots from about £10 5s. per kilo. Smaller parcels, up to £11 10s. per kilo, ex store.

SODIUM BENZOATE (B.P.).—Makers' prices are steady at the recent reduction: five cwt., 1s. 3½d.; one cwt., 1s. 4d.; smaller parcels, from 1s. 5d. up to 2s. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—Controlled prices are unchanged: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels up to 12s. 3d. per lb.

SODIUM SALICYLATE (B.P.).—Makers' prices unchanged, market dull: home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10½d.; 7 lb., 1s. 11¾d.; 1 lb., 2s. 4d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Continues steady and in seasonal demand: British makers quote at 1s. 1¼d. per lb., less 5 per cent. discount, dealers offering foreign materials at competitive prices.

THEOBROMINE.—Prices for Continental, pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s. 3¼d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5¼d.; smaller quantities, 6s. 6¼d. per lb. delivered, 5-lb. tins free; smaller packages extra.

THYMOL.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra, ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5d.; 14 lb., 10s. 6d. per lb.

VANILLIN.—Convention prices are unchanged: ex clove oil or guaiacol, five cwt., 12s. 5d.; one cwt., 12s. 8d.; 56 lb., 13s.; less than 56 lb., 13s. 2d. per lb.

Crude Drugs, etc.

AGAR.—Spot business good, with a brisk demand from the Baltic countries for goods for immediate despatch from London. A good deal of the old stocks have now been cleared. Values tend to be firmer at the better figures: spot, Kobe, No. 1, 3s. 1½d. to 3s. 3d.; No. 2, 2s. 11d. Yokohama, No. 1, 2s. 10d. per lb.; shipment, July-August, Kobe No. 1, 2s. 10d. to 2s. 11d.; No. 2, 2s. 7½d. Yokohama, No. 1, 2s. 8d. per lb., c.i.f.

ALOES.—The spot demand for Curaçao continues at advancing prices and the level of stock is now negligible. The few shipment quotations received in London are at very high figures, with everyone hesitating to go in. Meanwhile, New York is stated to have placed considerable orders. Cape steady: Cape, spot, 63s. to 64s.; shipment, about 62s. 6d. per cwt., c.i.f. Curaçao, spot, now quoted from 150s. to 172s. 6d. per cwt., as to quality. Shipment, from 150s. upwards per cwt., c.i.f.

ANTIMONY.—Market is steady with a little more business moving: Chinese, crude, spot, £35; shipment, July-August, £30, c.i.f.; English regulus, £70 to £71 per ton, ex store.

BALSAMS.—Market is dull and none too steady: *Tolu*, 1s. 7½d.; *Canada*, spot, 3s. 3d.; shipment, 3s.; *Copaiba*, Para, 1s. 8d.; *Peru*, 4s. 6d. per lb., spot.

BELLADONNA.—Steady, small spot business: leaves, 55s.; root, 55s. per cwt., spot.

BENZOIN.—Occasional limited spot business, with quotations keeping quite steady. Siam: medium almonds, £26; bean and pea, £22; pea size, £20 per cwt., ex store. Sumatra quoted from 70s. to 90s. per cwt., ex store.

BUCHU.—Dealers report the sale of a fair number of bales on spot, with prices about steady. Spot, new crop, rounds, 1s. 6d. to 1s. 7d., as to quality; shipment, a bid of 1s. 4½d. per lb., c.i.f., would be cabled. Old crop, rounds, off colour, spot, 1s. 4½d.; ovals, 1s. 3½d. per lb., ex store.

CAMPHOR.—Market is steady, but business is of small account: Japanese monopoly, BB brand, £7 10s. per 100 lb.; this price now officially quoted; Japanese, natural, spot, tablets, 2s. 6¼d.; powder, 2s. 3d.; slabs, 2s. 2¾d. per lb., ex store; shipment, tablets, 2s. 2d.; powder, 1s. 11½d.; slabs, 1s. 11¼d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ⅓ oz. and ¼ oz., 3s. 6d. per lb.

CANTHARIDES.—Demand remains quiet: Russian, about 4s. 6d.; Chinese, spot, 2s. to 2s. 2d. per lb., as to quantity; shipment, 1s. 7d. per lb., c.i.f.

CARDAMOMS.—Market is dull and rather unsteady. Aleppy greens are quoted at rather keen prices: Aleppy, green, spot, about 2s. 6d.; shipment, 1s. 11d. for f.a.q. and 1s. 9d. for f.a.q. the season. Aleppy, seed, spot, 3s. 6d.; shipment, 2s. 8d., c.i.f. Mangalore seed, spot, 3s. 4d.; shipment, 2s. 6d. per lb., c.i.f.

CASCARA SAGRADA.—The shipment market is in a peculiar position. There are now very few shipment offers, with the figure about 34s., c.i.f. Some shippers are not offering, and it is reported the crop of bark is all in. The source suggests a firmer tone will now develop. On spot, 1936 peel, 57s.; 1937 peel, 53s. 6d. per cwt., ex store. The volume of shipment orders booked for this market has again been of no importance. Thursday: Practically all shipment offers withdrawn and the value indicated is now about 40s. per cwt., c.i.f.

CHAMOMILES.—Only a small spot business moving. Last season's best quality, about 165s.; with seconds at 135s. per cwt. Old flowers from 95s. to 107s. 6d. per cwt., ex store.

CLOVES.—Values are steady at the recent advances: Zanzibar, spot, 8¼d.; shipment, July-August, 8 7/16d. per lb., c.i.f.; Madagascar, in bond, 7¼d.; shipment, July-August, 7d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended July 16 were 104, and the deliveries 106, leaving a stock of 1,462. From January 1 to date the landings of Zanzibar have been 1,904 and the deliveries 1,511. Landings of Madagascar for the week ended July 16 were *nil*, and the deliveries 14, leaving a stock of 1,374. From January 1 to date the landings of Madagascar have been 1,131 and the deliveries 1,833 packages.

COCOA BUTTER.—Rather more business, market steady: prime English, 8¾d. to 9½d. per lb.; foreign, 8d. to 9d. per lb., as to quantity and quality.

COCONUT (DESICCATED).—At the better figures the market is steady: spot, fine, 17s. 6d.; medium, 17s. 6d. per cwt.; shipment, halves, July-August, 16s. 6d.; August-September, 16s. 9d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports the shipment market continues dull with quotations about steady. Finest Lofoten steam refined, none-freezing medicinal oil, 90s. per barrel, c.i.f. London. Small lots, on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil, 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

ERGOT.—Very firm conditions continue in the shipment markets for new crops. Portuguese shippers suggest they might be able to buy against a firm bid of 5s. 6d., c.i.f. (5s. 3d. reported paid). The Spanish crop is in Franco territory, and an unofficial report states the export price has been fixed at $5 per kilo., c.i.f., which may be accepted as a nominal figure. It is believed there are fairly good stocks of old crop still in Spain. Some new crop Polish is available at 4s. 6d., c.i.f., and some Bulgarian at about 5s., c.i.f. No Russian offered and the source states little if any will be released for export this year and not before October. Very little business being placed at ruling high prices. No bulk spot supplies located, values nominal.

GAMBOGE.—Occasional inquiry: good Siam pipe quoted at about £13 10s. per cwt., duty paid.

GENTIAN.—Keen prices are being quoted for bulk quantities: good clean French root, 33s. 6d.; shipment, new crop, 27s. 6d., c.i.f.; Continental, 32s. 6d. per cwt., ex store, as to quantity.

GINGER.—Market has been quiet, values level on the week: West African, spot, 28s.; for arrival, 25s. per cwt., c.i.f. Jamaican, spot, bold, in barrels, 70s. to 85s.; small grinding, in bags, 45s. to 47s. 6d. per cwt., c.i.f. Cochin, washed rough, 42s. 6d.; shipment, 33s. per cwt., c.i.f.

GUM ACACIA.—There is a firmer tendency in the shipment market: Kordofan, cleaned sorts, spot, 38s. 6d.; shipment, 36s. 6d. per cwt., c.i.f.

HENBANE.—Market is quiet; quoted in the region of 70s. to 72s. 6d. per cwt., as to quantity.

HENNA.—Spot holders' prices are firm with supplies very short: Egyptian, brown leaves, from 32s. 6d.; green leaves, if available, about 40s. per cwt., ex store.

HONEY.—Business remains quiet with quotations showing no change: new crop Jamaican quoted from 30s. for dark manufacturing up to 45s. for pale set. Californian, duty paid, 52s. 6d. Canadian, firm, at 55s., ex store.

HYDRASTIS.—The firmer tone at the source noted last week is maintained. Very little offering for shipment and prices tend to advance: spot, 2.3 hydrastin, 14s. 9d. to 15s.; U.S.P., 14s. 6d. to 14s. 9d.; and untested, 14s. to 14s. 3d.; shipment, U.S.P., 14s. 3d. per lb., c.i.f., if available.

IODINE.—The Convention price for the crude material continues at the advance recorded last week: 10s. per kilog.

IPECACUANHA.—Market is dull and rather easier. A good export inquiry is on the market, which should improve conditions: Matto Grosso, B.P., spot, 7s.; shipment, 6s. 4½d. per lb., c.i.f.

LOBELIA HERB.—Steady, but only in limited demand: 6¾d. to 7d. per lb., for good quantities.

MENTHOL.—The Japanese product has been rather quiet, but the market is firm as quoted: K/S brands, 13s. 3d. Only a few shipment offers, with July-August at 11s. 6d. per lb., c.i.f. Chinese, spot, 12s. 9d.; no shipment offers. Menthol manufactured in France from Japanese oil is quoted on this market at about 12s. 3d. per lb., duty paid, in cases of six 5-lb. tins, ex store.

MERCURY.—First-hand distributors of Spanish-Italian report there is no change in the shipment price at 69 dollars per bottle, f.o.b., Continent; spot, £13 18s. to £13 18s. 6d. per bottle, ex store, London.

OPIUM.—Business net, market steady: Turkish, original cases of 170 lb., 13 per cent., 1s. 1d.; Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

PEPPER.—The market has been rather quieter this week, with values about level: Lampong, in bond, 2 11/16d.; shipment, August-October, 2 11/16d.; October-December, 2 11/16d., c.i.f. Tellicherry, spot, 4d.; shipment, August-October, 3s., c.i.f. Aleppy, spot, 4d.; shipment, August-October, 3s. 6d., c.i.f. White Muntok, in bond, 4d.; shipment, August-October, 3⅞d., c.i.f. London Terminal Market: Black, July, 2 11/16d.; October, 2¾d.; White, July, 4d.; October, 4⅛d.; December, 4 3/16d. per lb.

PIMENTO.—At the further sharp advance the market is firm: spot, 9d. per lb.; shipment, July-August, 8os.; August-September, 78s. per cwt., c.i.f.

POPPY FLOWERS.—Dealers are offering new crop flowers at about 2s. 6d. per lb. for small parcels.

RED ROSES.—Spot supplies now available of new crop; quoted in the region of 6s. 9d. per lb., as to quantity.

RHUBARB.—A little spot demand continues. All Shensi pickings cleared on spot; Shensi, best quality, 4s. 6d. to 5s.; old, very slightly wormy, 3s. 9d. to 4s. Rough round, 2s. 1d. to 2s. 3d. per lb., as to quality; shipment, 1s. 7d. per lb., c.i.f.

RUBBER.—After some temporary weakness the market recovered and closes at a further small advance. Business fair, closing steady: standard ribbed smoked sheet, spot, 7½d.; July, 7½d.; August, 7½d.; September, 7 9/16d.; October-December, 7⅝d.; January-March, 7 11/16d. per lb.

SAFFRON.—Continues very firm, with holders of the small spot supplies of genuine Valencia reserved and indicating about 92s. 6d. to 95s. per lb., ex store.

SEEDS.—ANISE.—Spot, duty paid, Spanish, 60s.; Bulgarian, 38s.; Syrian, 37s. 6d. CANARY.—All prices quoted are spot, duty paid. Mazagan, 17s. 6d.; Morocco, 16s.; Turkish, 15s. 9d.; Plate, 15s. 6d.; Spanish, 22s. 6d. to 32s. 6d. CARAWAY.—Dutch are spot 34s. 6d., duty paid; 28s. 6d. quoted f.o.b. Holland. CORIANDER.—Morocco, on spot, is offering at 18s. 6d., duty paid, for old crop, and 18s. new crop. New crop for July-August shipment quoted at 15s. 6d., c.i.f. CUMIN.—Market firm: spot, Malta, 45s., duty free; Morocco, 46s., duty paid, and 43s. in bond. FENUGREEK.—Morocco, on spot, 12s. 9d., duty paid. MUSTARD.—English, 21s. to 30s., according to quality.

SENEGA.—The market is quoted about unchanged on the week; interest in the shipment market is small: spot, 2s. to 2s. 1d.; shipment, July-September, 1s. 8½d. per lb., c.i.f., in bulk quantities.

SENNA.—Inquiry has been better. Tinnevelly: Fair green quality offers as follows: No. 1 at 5½d., No. 2 at 3½d.; No. 3 at 2½d.; No. 4 at 2¼d. per lb., ex wharf London. Good bold leaves are scarce, but a month or two must elapse before the new crop becomes available on this market. Tinnevelly: Best pale quality offer at 6d. per lb., with darker descriptions available at 3¼d. to 4d. per lb., ex store. Hand-picked: Finest bold hand-picked pods continue scarce, and small lots are offered at 5s. per lb., No. 1 at 4s., No. 2 at 3s., No. 3 at 2s. 3d. per lb., with old crop pods offering at 1s. to 2s. per lb., ex wharf.

SHELLAC.—More business moving with values well maintained on a firm market: spot, standard TN orange, 41s. 6d. to 44s. 6d.; fine orange, 55s. to 80s.; pure button, 50s. to 52s. per cwt. For delivery, TN, August, 41s.; October, 42s.; December, 42s. 6d. For arrival, TN, August-September, 40s. 6d. per cwt., c.i.f.

SLIPPERY ELM BARK.—Moderate spot sales, quoted unchanged: grinding quality, 6¾d.; clippings, 8½d.; selected loose slabs, 1s. 2d.; 5-lb. wired bundles, selected quality, from 1s. 7½d. per lb., ex store.

SQUILL.—Dealers are quoting fair white on spot in the region of 27s. 6d. per cwt., ex store. New crop, No. 1, white, 22s. 6d. per cwt., c.i.f.

STRAMONIUM.—Market steady, business poor: spot from 35s. to 40s. per cwt., as to quality and quantity.

TONKA BEANS.—Quotations are unchanged: fair frosted Para beans, 3s. to 3s. 1½d. per lb., ex store.

TRAGACANTH.—Rather more inquiry this week for pharmaceutical gums. Manufacturing grades quiet: finest selected white ribbon, £65; No. 1, white, £57 10s. to £60; No. 2, white, £50 to £54; No. 3, white, £35 to £42 10s.; amber leaf, £22; cleaned amber sorts, £16; brown to amber leaf, £11 10s.; red leaf, £9 to £10; hoggy, £6 to £7 per cwt., ex store.

TURMERIC.—The shipment quotation for Madras finger is now at about 27s. per cwt., c.i.f., with spot sellers at 29s. per cwt. No Rajapone on spot; shipment, 27s. 6d. per cwt., c.i.f.

VALERIAN ROOT.—Continues steady and in quiet demand. Dealers quote spot at about 37s. 6d. per cwt., ex store, for small parcels.

WAXES.—BEES'.—The better tone recorded last week is being maintained and prices tend to advance. Calcutta, bleached, spot, 125s.; shipment, July-August, 117s. 6d., c.i.f.; ordinary quality, spot, 95s.; shipment, July-August, 92s. per cwt., c.i.f.; Benguella, in bond, 90s.; shipment, July-August, 86s., c.i.f. Conakry, spot, 100s.; shipment, July-August, 87s. 6d., c.i.f. Dar-es-Salaam, spot, 95s.; shipment, July-August, 90s., c.i.f. CARNAUBA.—Market remains quiet with values about steady: fatty, grey, spot, 152s. 6d.; afloat, 147s. 6d.; shipment, July-August, 146s., c.i.f. Chalky, grey, spot, 152s. 6d.; afloat, 146s.; shipment, July-August, 144s., c.i.f. Primeira, spot, good quality, 190s. f.a.q., 185s.; afloat, 177s. 6d.; shipment, July-August, 175s., c.i.f. Mediana, spot, 180s.; shipment, 170s. per cwt., c.i.f.

Essential and Expressed Oils, etc.

WITH one or two exceptions, the demand for these products has been rather quiet this week. Anise (Star) is firm and again dearer on spot. Sicilian hand-pressed lemon remains in small demand. French Guinea orange is neglected. Japanese peppermint is fully steady, business quieter.

ANISE (STAR).—The spot market continues very firm and is again dearer, with supplies now comparatively small; arrivals during August are expected to be poor: spot, leads, nominal; tins, 3s. 9d. to 3s. 10d.; drums, 3s. 7d. to 3s. 7½d. per lb., ex store; shipment, July-August, tins, 3s. 2½d. paid. Resales of tins float done up to 3s. 4½d., c.i.f.

AVOCADO PEAR.—Occasional inquiry; dealers' prices steady: Californian oil quoted from 46s. 6d. to 53s. per gallon, as to quantity, ex store.

BERGAMOT.—Spot and shipment business continues unimportant on this market. Consortium price is unchanged at 14s. 9d. per lb., c.i.f., for bulk quantities. Genuine new crop oil on spot is steady at 15s. to 15s. 6d. per lb., as to quantity, with old and blended oils at cheaper prices.

CAMPHOR.—One or two cheaper lots cleared, and the spot market is now steady: Japanese and Chinese white oils at about 106s. up to 107s. 6d. per cwt., in drums, as to seller; shipment, Japanese, 89s., c.i.f. No Chinese offered.

CASSIA.—Buyers are showing but little interest in keen quotations: spot, good quality oil, 3s. 1½d. to 3s. 2d., in leads; off-quality, about 3s. per lb. Shipment market remains slack: leads, 2s. 10d.; drums, about 2s. 8½d. per lb., c.i.f.

CINNAMON LEAF.—Fair amount of smallish spot business in repacked oil; forward market quoted very cheaply: Ceylon oil, repacked and filtered, 2s. 4½d. to 2s. 9d. per lb., ex store, as to quantity.

CITRONELLA.—Business in these oils continues slow, with quotations about unchanged: Ceylon, spot, drums, 1s. 5½d.; smaller parcels, up to 1s. 9d.; shipment, drums, 1s. 3¾d. to 1s. 4d. per lb., c.i.f. Java, spot, drums, 1s. 10d. to 1s. 11d.; smaller parcels, up to 2s. 4d.; shipment, drums, about 1s. 4½d. per lb., c.i.f.

CLOVE.—Rather more inquiry on spot, quotations are about steady: Madagascar, spot, drums, 2s. 9d.; repacked in small parcels, 3s. to 3s. 3d. English, distilled, 4s. 6d. up to 4s. 10½d. per lb., as to quantity.

EUCALYPTUS.—Shipment prices for good bulk quantities are keen, with a little more inquiry reported: Australian, 70 to 75 per cent., tins, 1s. 4½d. to 1s. 5d.; drums, 1s. 4d.; 80 to 85 per cent., drums, 1s. 9d. per lb., ex store; higher prices for small lots on spot; shipment, 70 to 75 per cent., tins, 1s. 2¾d.; drums, 1s. 2d.; 80 to 85 per cent., 1s. 6d. per lb., c.i.f.

GERANIUM.—Limited spot business at keen figures; shipment market dull: Bourbon, spot, 11s. 9d. to 12s. 4½d.; shipment, 10s. to 10s. 3d., c.i.f. Algerian, spot, about 12s. 9d. to 13s.; shipment, about 11s. 7½d. to 11s. 10d. per lb., c.i.f. Quotations vary as to quality.

GRAPE-FRUIT.—Fair amount of small business reported: Californian, 10s. 3d. to 12s. Florida, 11s. to 12s. 6d. per lb., as to quantity.

LAVENDER.—There is little interest in this product pending receipt of quotations for coming new crop oil; quotations are nominally unchanged, with the source indicating firm conditions for old oil, and a crop of both lavender and lavandin below average anticipated.

LEMON.—The Sicilian hand-pressed oil continues to experience a poor seasonal demand on this market, but prices, spot and forward, are about steady: shipment, new crop oil, about 10s. 9d. per lb., c.i.f. Spot quotations vary as to quality of the oil, but genuine new crop would be about 10s. 9d. to 11s. 3d. per lb., with blended oils at cheaper figures. Californian distilled oil meets with a moderate demand at 6s. 4d. per lb., in small drums, landed. Sicilian, machine-made, 10s. 6d., c.i.f.

LEMONGRASS.—Market has been neglected: spot, from 1s. 8d. to 2s. for small parcels; shipment, July-August, 1s. 4½d.; August-September, 1s. 5d. per lb., c.i.f.

OLIVE.—Rather more inquiry, and values are keeping steady: edible quality, ten 1-gallon tins, 76s.; twenty ½-gallon tins, 80s., ex store.

ORANGE.—The moderate spot demand for French Guinea oil is being met at very keen prices; shipment market idle: spot, drums, 2s. 11d. to 3s.; and repacked oil, in tins, at about 3s. 2d. to 3s. 4½d. per lb., ex store. Shipment from the source is mentioned at about 2s. 6d., c.i.f., with no interest shown. Oil in bond is available at about the same figure. Californian is steady: spot, one case, 3s. 7½d.; two or more cases, 3s. 5d.; large drums, not quoted; small drums, 3s. 4d. per lb., landed; cold-pressed, 5s. 3d., c.i.f., in cases.

PALMAROSA.—There has been no revival of business in this product: spot quoted about 8s. to 8s. 1½d. for original packages; shipment, 7s. 2d. per lb., c.i.f.

PATCHOULI.—Seldom any inquiry of importance, market competitive: Singapore, spot, about 13s. 6d. to 13s. 9d.; shipment, 12s. 7½d. per lb., c.i.f. Seychelles, spot, 11s.; shipment, 10s. 1½d. per lb., c.i.f.

PEPPERMINT.—The Japanese product has been in a little quieter demand this week, but the market is fully steady as quoted: spot, firm at 4s. 10d. to 4s. 11d.; shipment offers are irregular and vary from 4s. 7d. to 4s. 10½d., c.i.f., as to shipper, for August. Higher prices are indicated for September-October shipment, with no definite offers. American natural oil, in drums continues firm at the source. Quoted from 2 dollars 25 cents to 2 dollars 35 cents per lb., c.i.f.

PETITGRAIN.—Limited business continues, with quotations rather irregular: cases at about 3s. 9d. up to 3s. 11d. per lb.; shipment, 3s. 1½d. to 3s. 2d. per lb., c.i.f. French oil is offering to come forward at 600 francs per kilo., landed, in bulk quantities.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots, continues steady at 20s. 6d. per lb. Genuine East Indian, produced outside the province of Mysore, 18s. 3d. to 18s. 6d. per lb., c.i.f., in bulk quantities. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb., for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

SASSAFRAS.—Occasional spot demand: good quality oils selling at up to 4s. 3d.; other oils, from 3s. 6d. per lb., ex store.

SPEARMINT.—The advance recorded last week is fully maintained: U.S.P. oil, spot, 9s. 3d. to 9s. 6d. for cases, as to seller; shipment is firm at 8s. 6d. per lb., c.i.f., for good brands.

SPIKE.—Prices for good oil are maintained at recent figures, although the demand is slow: Spanish oil is steady from 5s. 4½d. to 5s. 9d. per lb., as to quantity. Blended oils at cheaper prices.

WORMSEED.—Market is steady, business quiet: spot, U.S.P. oil, 11s. 4½d. to 11s. 6d.; B.P., about 12s. 3d., as to quantity; shipment, U.S.P., 10s. 10d. per lb., c.i.f., in bulk quantities.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1938, p. 302.

(From "The Trade Marks Journal," July 6, 1938)

"SILFREE"; for sensitised photographic film (1). By H. Von Gwinner, 50 Im Dol, Berlin-Dahlem, Germany. 584,587.

"NU-BREATH" under illustration of winged cherub (the words "Nu-Breath" disclaimed); for deodorisers (48). By Nu-Breath, Ltd., Shell-Mex House, Strand, London, W.C.2. 584,610.

"LAZANO"; for all goods (48). By Hyde Chemical Works, Ltd., 15 Colindale Avenue, London, N.W.9. 585,028.

"BREEZONIA"; for perfumery etc., excluding soap (48). By Anphyl Products, 1 South Street, Rochdale, Lancs. 585,215.

"NEOFRICE"; for perfumery, etc. (48). By Boots, Ltd., 37 Station Street, Nottingham. 585,373. (Associated.)

"PROVOST"; for all goods (48). By Froam Products, 16-18 Great Underbank, Stockport, Cheshire. 586,024.

APPLICATION AMENDMENT

The specification for "TRUSIL" in Class 3, No. 584,612, by Foster-McClellan Co., has been amended to "all goods, but not including soap."

(From "The Trade Marks Journal," July 13, 1938)

"COMBIZYM"; for enzyme preparations for veterinary and human use (2) (3). By Luitpold-Werk Chemisch Pharmazeutische Fabrik, Zielstatstrasse, 9, München 25, Bavaria. 585,012/3. (Associated.)

"JUCUNDIN" and "PRONCULIN"; for all goods (3). By Schering, Ltd., 185 High Holborn, London, W.C.2. 586,206/7.

"MEGGESON" on design of soldier on horseback (word 'Meggeson' disclaimed); for all goods, excluding stomach bitters, preparations for ague and soap (3). By Meggeson & Co., Ltd., Llewellyn Grove, Llewellyn Street, London, S.E.16. 584,874. (Associated.)

"TISPOLE"; for medicated preparations for internal use (3). By M. Woelm, Karlstrasse, Eschwege in Hessen, Germany. 585,819.

"HÆMORICET"; for all goods (3). By Dr. Rudolf Reiss Rheumasan und Lenicet-Fabrik, Erasmusstrasse 20, Berlin, Germany. 585,948.

"ISOLETTE"; for photographic cameras (8). By I.G. Farbenindustrie A.G., Gruneburgplatz, Frankfort-on-Main, Germany. 584,735. (Associated.)

"CORONET 99"; on rectangular design (numerals 99 disclaimed); for cinematographs (8). By Coronet Camera Co., 310 Summer Lane, Birmingham 19. 585,706. (Associated.)

APPLICATION AMENDMENT

The specification of "KEYNOTE" in Class 1, No. 579,292, by Littlewood's Mail Order Stores, Ltd., has been amended to "chemical substances used in manufactures, photography, or philosophical research, but not including pigments, mineral dyes, colours, distempers, paints, paint and varnish driers, wood preservatives, wood stains or anti-corrosive oils, and not including any goods of the same description as any of these excluded goods."

Commercial Notes

Turkish Rose Oil Exports.—The total production of rose oil was estimated at 125 kilograms in 1937, 37½ kilog. being produced at Isparta, and 25 at Burdur. Exports show an increase during 1937. The total for the first 9 months of the year amounted to 177 kilog., against 126 kilog. for the whole of 1936. In the first 9 months of 1937, Turkey exported 77 kilog. of this oil to the United States, 36 to Germany, 29 to France, 28 to the United Kingdom, and 5 to Japan.

U.S.A. Imports of Ephedra Herb.—Imports from all sources during April, 1938, totalled 197,535 lb. (India, 193,970 lb., and China, 3,565 lb.). Imports in January, 1938, totalled 44,184 lb.; February, 43,297 lb.; and March, 263,831 lb. Total for January–April, 1938, 548,847 lb. Imports during May totalled 205,694 lb. valued at $14,563, making the total for January–May, 754,541 lb. valued at $50,640, compared with 399,891 lb. valued at $8,312 in the corresponding period of 1937. The countries of origin were as follows :—

Country	January		February		March		April		May	
	lb.	$	lb.	$	lb.	$	lb.	$	lb.	$
China	24,400	1,699	12,897	909	45,142	3,372	3,565	286	105,584	7,861
Japan	19,784	1,022	30,400	2,118	42,534	2,702	—	—	14,400	1,030
India	—	—	—	—	176,155	12,420	193,970	11,649	76,225	5,128
Spain	—	—	—	—	—	—	—	—	9,485	544
Total	44,184	2,721	43,297	3,027	263,831	18,494	197,535	11,935	205,694	14,563

New Zealand Perfumery and Toilet Imports.—Imports of perfumery and toilet goods were valued at £N.Z.234,737 in 1937, compared with £N.Z.209,475 during the preceding year. Of the 1937 total, approximately 63 per cent. was supplied by the United Kingdom, Australia 23 per cent. and the United States 10 per cent. Several American manufacturers of dentifrices have established branch factories in New Zealand in recent years.

Imports of essential oils were valued at £N.Z.31,886 in 1937, oils valued at £6,718 coming from the United Kingdom and £4,342 from the United States. Imports of such products during 1936 were valued at £24,881.

Iraq Chemical, etc., Imports.—The following returns are pub lished in the report of the Department of Overseas Trade on commercial conditions in Iraq:—

SOAP.—The bulk of the soap imported into Iraq comes from Syria and India. The United Kingdom secures a good share of the trade in better-class toilet soaps, which amounted in 1936 and 1937 to I.D.6,000 and I.D.8,000, respectively.

CHEMICALS AND PHARMACEUTICAL PRODUCTS

	1935 I.D.	1936 I.D.	1937 I.D.
Total value	111,506	141,263	196,625
United Kingdom	50,556	69,091	117,556
German	24,642	33,021	29,163
French	16,679	15,244	21,110

Heavy chemicals are imported in relatively small amounts: insecticides and quinine figure more prominently while the most valuable single item is patent medicines—a highly competitive field. The United Kingdom has registered satisfactory progress in recent years.

PATENT MEDICINES

	1935 I.D.	1936 I.D.	1937 I.D.
Total value	27,878	37,822	52,085
United Kingdom	6,930	9,918	16,612
German	13,160	16,357	19,130
French	4,508	7,930	16,106

LUBRICATING OILS AND GREASES, when not manufactured in Iraq, are mainly imported from the United Kingdom.

	1935 I.D.	1936 I.D.	1937 I.D.
Total value	77,854	71,817	84,331
United Kingdom	60,123	56,129	60,610

Bermuda Medicinal Products Imports.—The values of imports of these products show that British products are steadily losing ground while the sales of American products are increasing. There are six drug stores all of whom import direct on their own account. The totals of imports and countries of origin of the goods during the years 1934 to 1936, were as follows :—

Country	1934	1935	1936
	$	$	$
Total	114,805	117,510	108,220
United States	57,415	62,660	66,570
United Kingdom	45,385	40,400	28,175
Canada	11,360	13,535	12,035

Madagascar Clove, Cinnamon and Vanilla Exports.—Shipments of cloves during 1937 totalled 29,464 quintals, valued at 22,048,000 francs, against 33,393 quintals, 16,382,000 francs in 1936. The chief destinations of the 1937 shipments were :—British India took 8,668 quintals, valued at 6,273,000 francs; France, 6,930 (5,359,000 francs); the United States, 4,290 (3,167,000 francs); the United Kingdom, 3,731 (2,788,000 francs); and the Netherlands Indies, 1,954 (1,410,000 francs).

Exports of cinnamon increased from 273 quintals to 530 quintals from 1936 to 1937.

Vanilla exports decreased from 5,414 quintals in 1936 to 3,131 in 1937, with a rise in value from 38,708,000 francs to 56,476,000 francs. France took 2,618 quintals valued at 47,197,000 francs, and the United States 513 quintals valued at 9,279,000 francs, in 1937.

Ceylon Produce Exports.—Shipments to all destinations during the first two months of 1937 and 1938, were as follows:—

		Jan.–Feb., 1937		Jan.–Feb., 1938	
		Quantity	Rupees	Quantity	Rupees
Areca Nuts	cwt.	11,700	140,000	13,800	171,000
Cinnamon (Quills and Chips)	cwt.	7,600	266,000	4,500	180,000
Cinnamon Oil	oz.	475,000	72,000	328,000	53,200
Citronella Oil	lb.	225,000	225,000	268,000	207,000
Coconut, desiccated ...	cwt.	82,600	1,360,000	78,900	678,000
Coconut Oil	cwt.	156,000	3,135,000	189,000	2,028,000
Papain	lb.	23,300	39,500	32,200	109,000
Plumbago	cwt.	57,000	299,000	35,200	272,000

French Psyllium Seed Industry.—Due to the dry weather and frosts it is estimated that the crop of seed this year will not be much in excess of 100 metric tons; the 1937 crop totalled 350 metric tons. Stocks on hand are estimated at about 150 tons. Exports from Marseilles in recent years were as follows :—

	Lb.	$		Lb.	$
1930	2,026,596	464,445	1935	627,279	39,903
1931	1,180,081	229,837	1936	838,813	78,368
1932	1,287,160	154,421	1937	494,283	163,992
1933	1,080,991	85,433	First 4 months		
1934	1,232,478	95,368	of 1938 ...	98,392	6,765

U.S.A. Essential Oil Imports.—Imports of the essential oils during the past five years were as follows:—

Description	1933		1934		1935		1936		1937	
	Lb.	Value $	Lb.	Value $	Lb.	Value $	Lb.	Value $	Lb	Value $
Cassia and cinnamon	410	200	378	243	451	347	486	314	482	357
Geranium	128	480	146	693	123	563	131	545	134	464
Rose, ozs.* ...	33	205	26	206	36	273	35	263	38	270
Bergamot	75	91	78	106	99	135	108	183	87	282
Citronella and lemongrass	1,865	663	2,186	724	2,048	579	1,865	425	1,981	618
Lavender and spike†	270	385	—	—	—	—	—	—	—	—
Lavender	—	—	182	597	98	384	256	815	137	426
Spike	—	—	116	107	128	125	42	36	123	87
Lemon	271	161	193	136	131	131	149	188	89	239
Orange	149	110	140	155	161	171	176	189	205	287
Sandalwood ...	3	13	—	1	3	11	4	14	5	17
Lime	42	215	47	240	64	299	53	270	118	610
All other	2,853	887	2,792	1,281	2,758	1,397	3,229	1,496	3,963	1,797
Total	6,066	3,410	5,960	4,489	5,838	4,414	6,201	4,738	7,064	4,547

Thousands in weight and value omitted.
* Not included in weight totals.
† Not reported separately until 1934.

Canadian Medicinal and Toilet Goods Production.—Details of production of pharmaceutical and medicinal preparations, soaps and toilet preparations during 1936 and 1937, were as follows :—

Industries	1936			1937		
	Number of plants	Cost of material	Value of output	Number of plants	Cost of material	Value of ouput
		$	$		$	$
Medicinals and pharmaceuticals	169	7,384,370	22,251 550	169	8,381,398	24,232,011
Soaps and washing compounds	102	9,121,222	16,313,502	99	11,232,833	19,626,400
Toilet preparations	87	2,379,755	6,544,377	85	2,550,012	6,792,771

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Warnings

SIR,—May I, through the courtesy of your columns, warn retailers against a trickster who has defrauded a number of retailers in the North of England, on the pretext of being a manufacturer's representative temporarily embarrassed for lunch money owing to the non-arrival of his expenses cheque. On a recent occasion this man claimed to be working for Pepsodent, Ltd., on the dental promotion side, thereby explaining the fact that he was not yet known to the retailer in question. On this occasion he gave the name of A. Wilson. While it is unlikely that he will use the same name, or that of our company, again, I think retailers would be wise to think twice before parting with money to any one they do not know, claiming to represent a manufacturing house. No representative of a reputable firm would be permitted by his house to borrow money from a retailer. . . . If the gentleman in question calls upon any of your readers asking for a loan, I suggest that they report the circumstances at once to the manufacturer named and the local police.—Yours faithfully,

J. G. WYNNE-WILLIAMS, Managing Director,
PEPSODENT, LTD.

London, N.W.10.

SIR,—The police have requested me to warn all chemists against a short, broad man with a very fat and very varicose right leg obviously needing elastic hose, who asks for a secluded place wherein to measure his leg. He is wanted by the police.

Yours faithfully,
E. K. MONKS.

London, S.E.5.

Dangerous Drugs in South Africa

SIR,—There is a growing feeling among chemists and druggists in South Africa that the sale of such drugs as the sleep-inducing barbiturates should be more strictly controlled, and this feeling has become much keener after some recent inquests on people who have died after taking an accidental overdose. Anyone in South Africa at the moment can buy such products provided the poisons register is signed. According to many chemists in the Union, it would be a step in the right direction if the barbituric compounds, even though they are less dangerous than the opiates, should be available to the public by prescription only. It is pointed out that in England it is impossible to buy drugs of this group over the chemist's counter without a prescription. In recent statements to the Press, chemists have been insisting that the main danger of the barbiturates lies in the fact that they affect the memory. It is also pointed out that the verdicts of half the inquests in such cases in England suggested that the fatalities were accidental. Chemists have also been telling the public that there is no doubt that the barbiturates form a remarkable series of drugs and that their possibilities have yet to be fully explored. As they have only been known to medicine for about thirty years, it is only recently that physicians have begun to realise that their use in certain cases is contra-indicated. It is felt there is little justification for the sale of these drugs without prescription. Signing the poisons register is an inadequate precaution. A reputable chemist would not supply large quantities to one person, but there would be nothing to prevent that person from going from shop to shop. Some physicians are so careful that when they prescribe these products they leave the exact dose with the patient every day, so that there can be no danger of an overdose. Poisons can always be obtained by a determined would-be suicide, but if the law causes a delay the temptation to impulsive action often passes. Then there is the risk of a patient's idiosyncrasy to a drug, for some otherwise normal persons seem to have a peculiar sensitiveness towards it, and this risk is present, even though it is not severe, in the barbiturates. This, accordingly, indicates another need for a doctor's prescription and skilled observation in each case, so that secondary effects may be noticed and checked. With habit-forming drugs the Union has maintained a strict attitude, and it is now felt that it should follow the example of Great Britain as regards the barbiturates. It is recalled that as recently as 1934 these drugs were sold freely in Great Britain, and that to-day, as a result of tragedies, most of the loop-holes have been closed. The fact that it is known that the new regulations are having a good effect may be accepted as a guiding light in South Africa.—Yours faithfully,

CAPE TOWN (11/7).

Price-Cutting Dangers

SIR,—The letter from "Index" (*C. & D.*, July 16, p. 69), giving an account of the conditions which prevail in India, and the extreme price-cutting which is carried on there through absence of control or of any price-protection association, shows what would happen here if we had no minimum retail prices. At one time I was manager of a pharmacy in a British Possession abroad, and I experienced the same kind of competition. Native pharmacies cut the price of proprietaries to such an extent that it was not worth while to indent for them from home, and stock was kept by purchasing one or two locally at the cut price as required. The inevitable result followed. In the endeavour to make up for lost profits imitations of the original packs were put up and sold by the cutters, being wrapped up and handed to the customer without comment. On one occasion when a member of an English wholesale firm called on me, I told him about this trouble and asked him why the proprietors did not take action. He replied that in some cases the makers were aware that imitations were being sold in outlying places, but any action had to be taken locally, which meant sending somebody out from home. The length of stay could not be foreseen and the cost would be high. Moreover, it would have to be proved that the name or trade mark was valid under the regulations of the district, and the courts were administered by local authorities who might not interpret the law as covering an imported article. So it usually happened that the manufacturers felt that to take action might be to lose more in costs than by the amount of substitution which went on, while the result of the action was doubtful. At home action can readily be taken against anyone who sells or holds out for sale a colourable imitation, but in the absence of any protected-price scheme there would undoubtedly be a wave of unlimited cutting, accompanied as a matter of course by attempts at substitution.—Yours faithfully,

COLONIST.

Incomplete Prescriptions

SIR,—The "practical difficulty" that "not infrequently the doctor failed to complete the prescription" (see *C. & D.*, July 9, p. 28) leads me to complain that still more frequently doctors forget to give any directions, either written or verbal. The consequence is that the patient expects the chemist to supply the necessary information. Directions are given with certain preparations in the National Insurance Formulary, and if these are written on the label in the event of their omission from the script, the chemist is acting quite correctly, but with other classes no directions are given in the Formulary. With these the chemist must either refuse to give any directions and refer the patient back to the doctor, or "use his common sense." Could he be held liable if complications arose from his adopting the latter course?—Yours faithfully,

WAYSIDE.

In Camera

SIR,—"Xrayser," commenting on publicity for pharmacy (*C. & D.*, July 16, p. 51), regrets the lack of "internal" publicity. I have no doubt that at some time or other your contributor has been at meetings where the speaker has asked reporters not to take down his next remarks and, the representatives of the Trade Press having laid down their pencils and sat back on their chairs, has proceeded with a great air of mystery to take his audience into his confidence. If, at such a moment, "Xrayser" has heard anything of a really confidential nature he has been more fortunate than I have. All such unreportable statements I have been "privileged" to hear have appeared to me not to be in the least demanding of secrecy. It seems the great thing is for the speaker to impress his hearers with the idea that he is giving inside information.—Yours faithfully,

MYSTERIOUS.

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

T. & H. (11/7).—Sending poisons to Northern Ireland.—The export of poisons to Northern Ireland is covered by Poison Rule 5 (iii), under which consignments of poisons to Northern Ireland are freed from home labelling requirements, provided the poisons are labelled in accordance with the corresponding conditions in force in Northern Ireland. It should be noted that registration, container, storage and transport rules still apply and in particular that a signed order is necessary for supply to doctors, etc. Details of the restrictions in connexion with the sale of poisons in Northern Ireland are given in *The Chemist and Druggist Diary*.

J. D. H. (15/7).—Eczema ointment.—Formulas for an eczema ointment of a similar nature to the one you submitted are as follows:—

I

Precipitated sulphur	½ ounce
Salicylic acid	40 grains
Ichthyol	60 grains
Oil of tar	60 minims
Hydrous wool fat	1 ounce
Soft paraffin	2½ ounces

II

Boric acid	½ ounce
Ichthyol	¼ ounce
Zinc oxide	2 ounces
Soft paraffin, yellow	10 ounces
Wool fat	5 ounces
Solution of coal tar	1 ounce

G. C. D. S. (11/7).—Solvents for cellulose tissue.—The transparent material used for wrapping purposes is a cellulose product of viscose after precipitation with ammonium chloride. Solvents for such materials are those employed for cellulose. Cellulose is insoluble in all simple solvents, including water. In the presence of certain metallic compounds, however, it combines rapidly with water, forming gelatinous hydrates, which finally disappear in solution in the water. The simplest solvent is zinc chloride in concentrated aqueous solution (40 per cent. $ZnCl_2$). The solution process requires the aid of heat (60°-100° C.) and may be carried out as follows: 4 to 6 parts of zinc chloride are dissolved in 6 to 10 parts of water and one part cellulose stirred in till evenly moistened. The mixture is set aside to digest at a gentle heat. When the cellulose is gelatinised the solution is completed by exposure to water bath heat, stirring from time to time and renewing the water, which evaporates. Another method is to dissolve zinc chloride in twice its weight of aqueous hydrochloric acid (40 per cent. HCl). A solution is obtained which dissolves cellulose rapidly in the cold.

L. D. (15/7).—Paraphenylenediamine hair dye.—Concerning a formula given in Pharmaceutical Formulas, Vol II, for paraphenylenediamine hair dye (p. 260), the strength of the hydrogen peroxide solution should be 3 per cent. (10 volumes). Satisfactory results would not be achieved if the solutions were mixed before applying to the hair, as it is intended that the interaction between the two solutions take place on the hair itself. As far as hair dyes containing this particular compound are concerned, this is one of the most satisfactory formulas for use, but we feel that we should take this opportunity of reminding you of the risk of skin reactions attending the use of this dye, and commend the other formulas given to your notice. Slight alterations in the amount of hydrogen peroxide solution would not materially affect the resultant shade of the dyed hair, as it is the paraphenylenediamine which is the dyeing ingredient.

A. M. C. (11/7).—Wooden tongue in cattle.—This complaint is dealt with in "Veterinary Counter Practice" in the chapter on "Diseases of Cattle" under the heading of "Wooden Tongue or Actinomycosis." The following paragraphs give the information you require:—Wooden tongue, if not too far advanced, can be treated with heavy doses of iodides, giving potass. iodid. ʒij. vel ʒiij. once or twice daily, dissolved in a pint of water, until signs of iodism appear, when the medicine must be changed to hyd. biniod. gr. iij. vel gr. iv. potass. iod. gr. 7, aq. Oj., resuming the first prescription after a few days. Feed on sloppy foods, as the cow cannot use its tongue, and, if necessary, drench with milk, hay tea, gruel, eggs, etc., to keep up the strength, but all drenching must be done slowly owing to the difficulty of swallowing. When it affects the jaw and sometimes the bone of the head, treatment is not advisable, and the case should be left to the veterinarian. Wens may be surgically removed or painted with liq. iodi. fort.

J. C. (15/7).—Dispensing difficulties.—The following comments will be of assistance to you in the dispensing of your prescriptions:—

A

Ferri ammon. citrat.	gr. v.
Ext. malti	♏xl.
Ol. morrhuæ	♏xl.
Liq. calcis	♏xxx.
Aquam	ad ʒss.

Mitte ʒxij.

The malt extract alone is insufficient to emulsify the cod-liver oil, and the addition of the lime water inverts the emulsion. The following procedure gives a stable, though rather thick, emulsion. Rub the extract of malt with powdered acacia (ʒij.), add the oil and water (ʒiv.) to make a primary emulsion. Dissolve the iron and ammonium citrate in water and mix the solution with the lime water. Add this solution to the primary emulsion very slowly, thoroughly mixing after each addition. By mixing the iron and ammonium citrate with the lime water, interaction takes place, forming calcium citrate, which though containing calcium ions, does not interfere with the emulsion.

B

Quin. bihydrochlor.	gr. iij.
Acid. muriat. dil.	♏v.
Sodii nucleinat.	ʒss.
Pertussin	ʒj.
Aquam	ad ʒss.

Mitte ʒviij.

Either the quinine hydrochloride or the hydrochloric acid will form a curdy precipitate with the sodium nucleinate. Rub down the latter with powdered acacia (ʒss.), to form a smooth cream. Dilute the hydrochloric acid, and slowly add to the cream, with constant trituration. Finally add the pertussin and make up to volume. Again a rather thick cream results, which should be dispensed in a wide mouth bottle.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," July 21, 1888

The British Pharmaceutical Conference

The usual announcement of the meeting of the Pharmaceutical Conference has been lately published. The sessions are this year to be held in Bath, which the local circular declares to be, "with perhaps the exception of Edinburgh, the most beautiful city in the kingdom." The pleasant opportunity which this Conference affords of becoming acquainted with a city of such historical and social renown as Bath is one which should not be carelessly dismissed. The attractions, beyond the more strictly scientific ones which the meeting is sure to include, are a presidential address from Mr. F. Baden Benger, from whom we may confidently expect a thoughtful and refined discourse. On Monday evening, September 3, that is the evening before the meeting, a reception of members and conversazione will be held at the Grand Hotel. On Tuesday and Wednesday luncheons will be served in the Guildhall. A smoking concert is to be held at the Grand Hotel on Tuesday evening, and after the day's work is concluded on Tuesday and Wednesday opportunities will be given for visits to the Baths, to the Abbey, to the Botanical Gardens and to a floral fête at the Sydney Gardens. For the extra day, Thursday, September 6, an excursion to Chepstow, the Wye and Tintern has been arranged. The total charge for all these entertainments is fixed at 17s. 6d., or the Chepstow excursion can be taken alone, if preferred, for 12s. 6d. Mr. H. Hutton, of 7 Bridge Street, Bath, has undertaken the secretarial labours connected with the meeting, and to him applications for bedroom accommodation should be addressed without delay.

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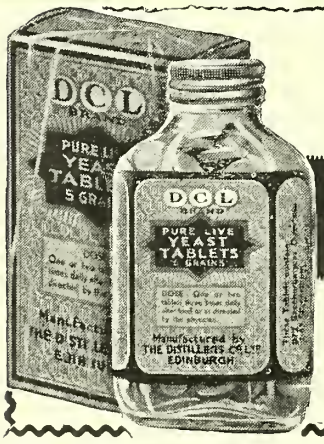

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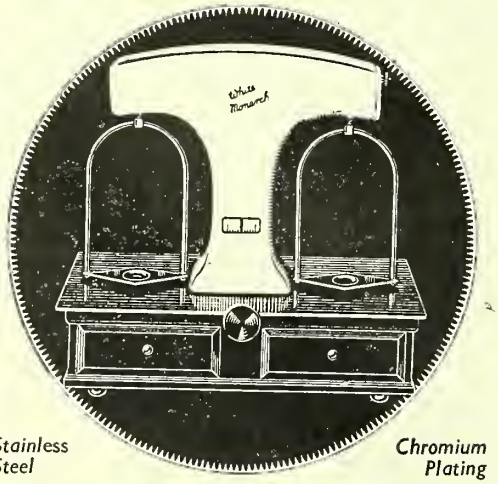

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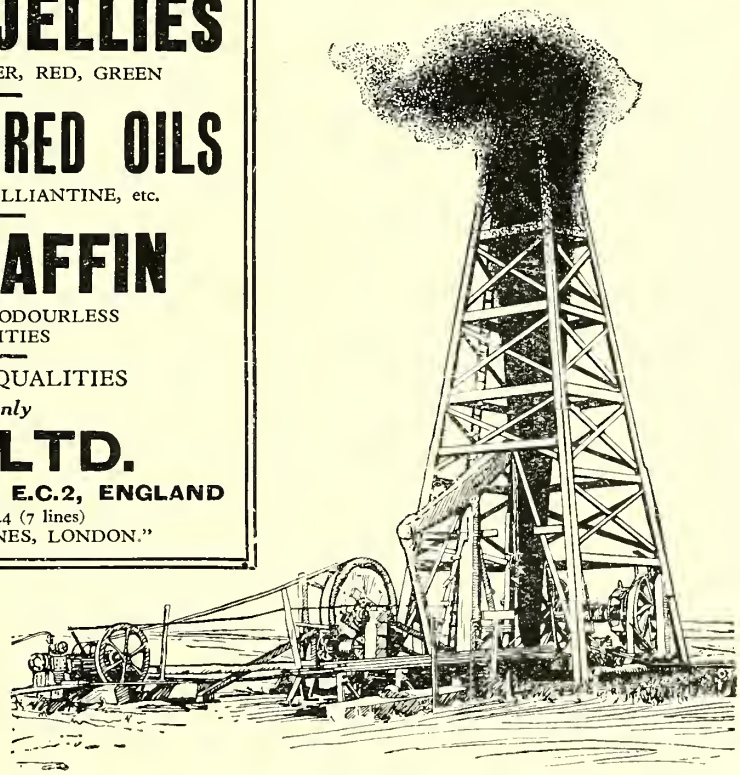

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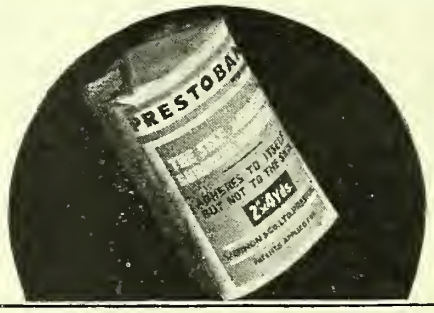

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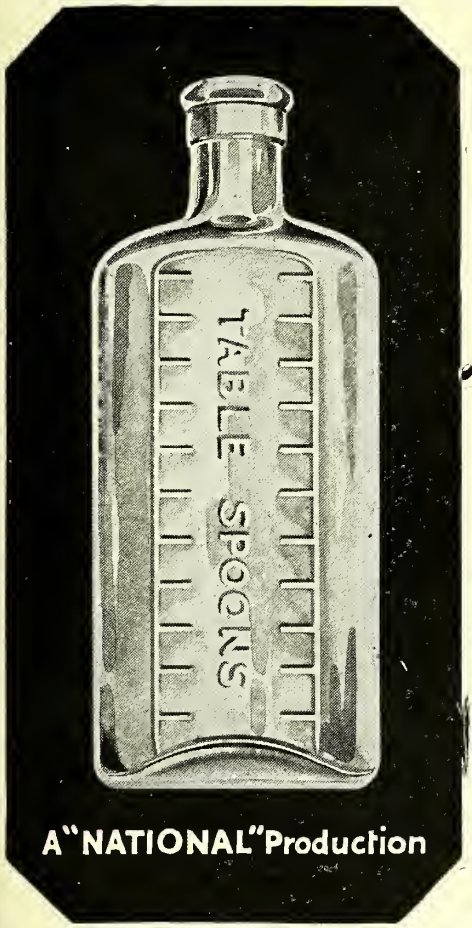

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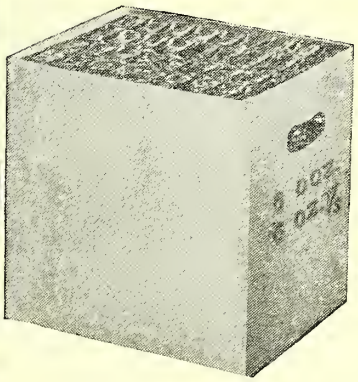

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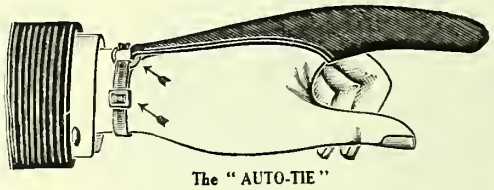

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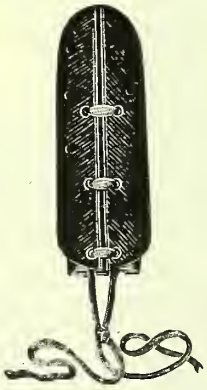

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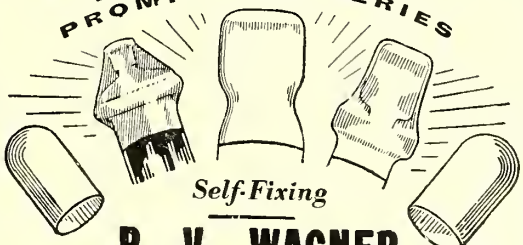

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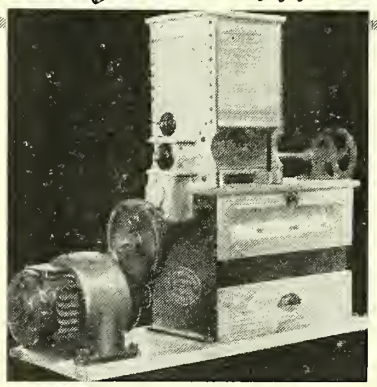

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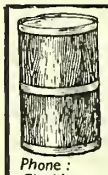

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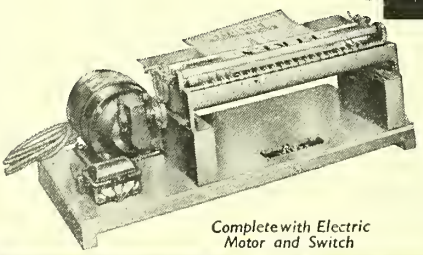

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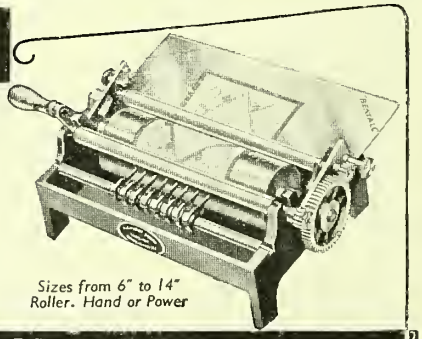

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[33/22]

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

JULY 23, 1938

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2.—**FINCHLEY.**—Main road High-class Dispensing Business; takings exceed £2,750 per annum; gross profit over £1,100; accountant's figures available; stock worth about £600; rent £200; sub-let £90; offers invited; vendor going in for Medical.

3.—**S. NORWOOD.**—Middle-class Business; turnover £935; excellent living accommodation; long lease; inclusive purchase price £350.

4.—**BOW.**—General Retail Business; turnover averages about £40 per week inclusive of Panel; living accommodation; new lease at £75 per annum; good, clean stock; inclusive purchase price required £600; premises will be put in good state of repair for purchaser.

5.—**BRISTOL.**—General Retail Business occupying important site; cash takings, present rate £32, plus N.H.I.; scope; exceptionally valuable lease; stock and fixtures worth about £800; inclusive purchase price required £1,200 approximately, or valuation terms entertained.

6.—**HASTINGS (NEAR) (RETIREMENT VACANCY).**—Good-class Business; takings approximately £1,850 per annum under management; net profit to managing proprietor about £450 per annum; excellent living accommodation; new lease; inclusive purchase price about £1,000; scope.

7.—**STROUD GREEN.**—General Retail Business with excellent Panel; established 1870; turnover last year £1,619; net profit approaches £400 per annum; certified figures; heavy stock; excellent living accommodation; rent only £70 per annum; inclusive purchase price required £850 all-at, or near offer; vendor buying another business.

8.—**HAMPSTEAD (NEAR).**—Main-road Good-class Cash Retail Business; valuable Agencies; turnover about £40 per week uuder management; rent of shop about £100 per annum; good, clean, saleable stock; attractive fixtures; Vendor would probably accept about £100 for the Goodwill plus the stock and fixtures at valuation, in all about £900–£1,000; a small sum down will be accepted and the remainder over a period.

9.—**STREATHAM.**—Main Road Cash Retail Business for disposal at sacrifice price; no sum required for the goodwill; takings average over £60 per week at good prices; stock and fixtures worth a figure in the neighbourhood of £1,000; accountant's figures available; full particulars upon application.

10.—**DAGENHAM.**—Middle- and Working-class Cash Retail Business; takings last year £2,460; big Panel; splendid living accommodation; rent £120 per annum; inclusive purchase price asked £800, or valuation terms entertained; net profit, £450–£500 per annum to managing proprietor.

11.—**LEYTONSTONE.**—Middle-class Business in main road; takings last year £2,344; beautifully fitted pharmacy; modern living accommodation; offers invited; genuine reason for sale; price for goodwill and valuable lease about £200; stock and fixtures at valuation; stock about £700.

12.—**GRIMSBY.**—General Retail Business; net profit last year £315; certified accounts; very good living accommodation; low rental; price required in all about £500 which is probably less than the value of the stock and fixtures; turnover nearly £1,200 per annum.

13.—**YORKS (WEST RIDING).**—Exceptional opportunity for young man; Middle-class Business; well-established; takings last year £1,863; stock and fixtures worth £450; rent £30 per annum; inclusive purchase price asked £550, or valuation terms entertained; near offer considered.

14.—**EASTERN COUNTIES (IMPORTANT TOWN).**—General Retail Business in excellent position; takings this year £2,300; gross profit nearly 40 per cent.; rent £150; inclusive purchase price required £1,650; dissolution of partnership; net profit about £600 per annum to managing proprietor.

15.—**CANNING TOWN.**—Cash Drug Store showing a net profit of approximately £300 per annum; proper books kept; rent of shop only £21 per annum; attractive fixtures and good, clean, saleable stock; sacrifice price £400; excellent opportunity for young qualified pharmacist.

16.—**LIVERPOOL.**—Middle-class Business for sale for genuine reason; in present hands 13 years; takings £1,200 per annum; net profit £340; nice living accommodation; three bedrooms, bathroom, etc.; rent £60; inclusive purchase price £675.

17.—**NORWICH.**—General Retail Business occupying important position in City; turnover last year £707; net profit £270; stock £178; rent only £50 per annum; inclusive purchase price required £250.

18.—**BIRMINGHAM.**—Family Retail Business; established 12 years; takings last year £1,165; net profit £315; nice house; low rental; inclusive purchase price £650.

19.—**HACKNEY.**—Middle and Working-class Cash Retail Business; takings, present rate, about £28 per week; good profits; stock can be reduced to suit purchaser; excellent house over; no reasonable offer refused; **part payment terms entertained;** very reasonable rental; purchase price asked about £250 plus valuation of stock and fixtures.

20.—**SOUTH COAST.**—General Retail Business; increasing turnover; net profit exceeds £400 per annum; nice living accommodation; heavy stock; minimum purchase price £1,000; increasing turnover.

21.—**WEMBLEY.**—Drug Store, Confectionery and Tobacco; turnover approaches £2,000 per aunum; rent £220; sub-let 32s. 6d. per week; long lease; inclusive purchase price required about £500.

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(C1) HAYES, MIDDLESEX (NEAR).—Old-established business situated in growing and improving district; excellent scope under owner-proprietorship; turnover for 1937–38, £2,139; gross profit £804; rent £65; long lease; should show an immediate net profit of not less than £500 per annum; price by negotiation; first reasonable offer accepted, as a quick sale is desired.

(C2) KENSINGTON (NEAR).—Good-class business; old-established; turnover upwards of £2,000 per annum; very low overheads, price all at £1,250.

(C3) DAGENHAM.—Good profit-earning business with living accommodation; turnover now at the rate of approximately £2,000 per annum; gross profit exceeds 40 per cent.; net profit to owner-proprietor, £500–£550; reasonable rental; price about £850 all at; **£500 down and balance over a period will be accepted.**

(C4) HARLESDEN (NEAR) (RETIREMENT VACANCY).—Attractive modern pharmacy, situated in populous area; present returns at the rate of approximately £1,200 per annum; very low rental; excellent scope; price for quick sale £750 all at, representing estimated value of stock and fixtures only.

(C5) RAYNES PARK (NEAR).—Attractive main-road business occupying prominent position in middle-class residential suburb, near to leading multiples; turnover for 1936–37, £2,847; gross profit £1,080; net to owner-proprietor, £600–£700; rent £220, including up-to-date flat; lease 17 years; price £1,300, plus stock at valuation (estimated at £480).

(C6) FINCHLEY (NEAR).—Good-class business established over 30 years; turnover approximately £2,700 per annum; gross profit about 41 per cent.; net rental £110 only; contemplated alterations in the near vicinity should benefit the business considerably when completed; genuine reason for selling; price £1,850 all at.

(C7) SIDCUP.—Middle-class business showing steadily increasing turnover; returns for last financial year, £1,925; rent £150, including self-contained flat; lease 16 years to run; price all-at £650, or reasonably near offer.

(C8) LEYTONSTONE (NEAR).—Main-road business with living accommodation; turnover for 1936–37, £1,451; gross profit £617; good N.H.I.; rent £65; lease 14 years unexpired; genuine scope; owner retiring; price £750 all-at; reasonable offer considered.

(C9) ILFORD.—Lock-up Pharmacy with no near opposition; turnover approximately £1,200 per annum; rent £85; scope for substantial increase; stock and fixtures estimated at £600; no goodwill asked, and offers considered as quick sale is desired.

(C10) SHEERNESS (NEAR).—Branch business with small house, at present being used for storage, etc., purposes; turnover now averaging at the rate of approximately £1,000 per annum, and steadily increasing; rent £65 inclusive; price £400, including stock estimated at £300.

(C11) BUCKS.—Middle- and working-class business with good D. and P; turnover for 1936–37, £1,162; premises occupy corner position on main road; rent £75; no near opposition; goodwill and fixtures £450; stock at valuation (estimated at £260).

(C12) NORTHWOOD (NEAR).—Attractive modern Pharmacy, occupying prominent corner position; turnover upwards of £1,800 per annum; up-to-date flat; rapidly developing district; price £1,050, or near offer.

(C13) PRESTON.—Good profit-earning Business, with steadily increasing turnover; returns for 1936, £1,167; 1937, £1,261; N.H.I. 600–700 scripts monthly; property can be purchased or taken on lease at a rental of £52 per annum; stock and fixtures estimated at £450; price all at £600.

(C14) BURNLEY.—Old-established, with optical connection; must be sold forthwith, and any offer considered; net profit for last financial year £330; rent £40; good scope.

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(C16) GOOD CLASS SEASIDE RESORT (NEAR CHICHESTER).—For sale owing to retirement; turnover for 1937, £1,507; net profit £309; rent £70, including living accommodation; 25-year lease; price by negotiation.

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(C19) EAST FINCHLEY (NEAR).—Established main road business with living accommodation, at present sub-let; turnover for year ended December, 1937, £2,572; gross profit £962; stock estimated at £1,000, all of which is good; fixtures about £280; price all at, for quick sale, £1,530, or near offer, including only £250 for goodwill.

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LIVERPOOL (NEAR).—Branch business, house attached, main road; can be bought on easy terms if required; splendid opportunity for energetic man. Particulars to bona-fide enquirers only. 240/4, Office of this Paper.

LIVERPOOL.—Old-established Family Business, with large N.H.I., photographic trade; good living accommodation; present lease 7 years, with 7 years' option; corner position; family reason for disposal; excellent opportunity; average turnover £2,000 per annum; price £1,350, including stock, fixtures and goodwill, fullest investigation. T. R. Aspinwall, A.A.L.P.A., Sole Agent, 48 Chapel Street, Southport. Tel. 5236.

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S.E. LONDON Suburb, established business, corner shop, house, garden and garage; rent £140, long lease; rates £18; net profit £250; N.H.I. scrips average over 350 monthly, increasing; Optics; no opposition; owner, having secured important post, desires to sell quickly; first offer £500 or near secures. P.C.B. 289/12, Office of this Paper.

AN exceptional opportunity for Qualified man; one required, only one opponent; country market town Cash Drug Stores with extras for disposal; owner retiring; good-class trade, greater part of N.H.I. soon obtained; Kodak agency; lock-up shop, low rent, lovely district; £450 all in. 238/9, Office of this Paper.

BARGAIN for Qualified Chemist, London S.E.25; well-fitted Pharmacy established 50 years; main road; no opposition; large residential surroundings; Kodak and Selo agencies; rent only £46; lease 12 years; large house, 8 rooms; now under Unqualified management; old age cause of sale; price £180, including stock, or near offer. 239/26, Office of this Paper.

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DRUG Stores, Southend district, suitable for Qualified Chemist; established 18 years; population growing fast owing to local development; excellent film trade; plate and mirror show-cases; stock and fixtures at valuation; inspection invited; owner of property requires good tenant; rental £50 per annum and proportionate rates. 237/11, Office of this Paper.

GOOD opportunity for small investor; old-established Chemist's business in busy district in large seaport town, South Coast; corner shop with house, also private house next door let at 20s. weekly, inclusive; ground rent £9 per annum; 16 years to run; takings £780, profitable; business, and house and lease, goodwill and stock (value above £260), price asked £650. 238/1, Office of this Paper.

OLD-ESTABLISHED Chemist's Business for quick Sale, due to death of proprietor; busy main road position in heavily-populated Essex suburb; good shopping district; spacious double-fronted shop with large store room and living accommodation over; good up-to-date stock; National Health, Kodak and sole Ucal agencies; splendid opportunity for expansion if taken by right man. Full particulars on application to 240/1, Office of this Paper.

UNOPPOSED country Business in small, growing Kentish town; roomy lock-up Shop, fitted electric and gas; inclusive rental £50; cash trade £32 week, N.H.I. £17 month; Kodak, Selo Agencies, Wine Licence, easy add Optical and Surgical departments; vendor concentrating on branch; price £1,200, including stock £400. 240/7 Office of this Paper.

£100, S.A.V. (approximately £125); well-fitted modern double-fronted shop, exceptional living accommodation, large garden and garage; good-class growing residential country district, near busy market town (12 miles from Birmingham); nearest Chemist 3 miles; population approximately 3,000; splendid opening for Qualified; shop at present run as Drug Store; established 2 years. 330/997, Office of this Paper.

£275 or nearest offer will buy genuine Cash Drug and Photographic Store, showing £5 net weekly; Western County; main road position; Kodak and Selo agency; steady trade capable increase under Qualified person; good stock; well-fitted shop; populous district; 10-year lease; rental £39 per annum inclusive. 239/33, Office of this Paper.

£300.—NORTHERN TOWN, main road, lock-up shop; light overheads; near Doctor (large practice); heavily-populated area and new housing estate near; N.H.I., Selo and Ucal Agencies; good D. & P.; stock alone worth over £200. 241/1, Office of this Paper.

BUSINESSES WANTED

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

SURREY OR SOUTH LONDON.—Pharmacist desires to purchase sound Business with an annual turnover of between £2,000 and £3,000, preferably with living accommodation. In the first instance, would prospective vendors state town, turnover net profit and price. All replies will be answered and in strict confidence. 239/44, Office of this Paper.

HIGH-CLASS DISPENSING PHARMACY required in London area; minimum turnover £4,000. 236/4, Office of this Paper.

NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

REQUIRED immediately, several good businesses in the London area, preferably City, West End or inner suburbs, but not essential; minimum turnover £2,500 per annum, but smaller propositions considered if possessing definite scope for increase to that figure or above; negotiations can be entered into forthwith; prospective vendors are invited to communicate as soon as possible under assurance of confidence with Ernest J. George & Co., 329 High Holborn, London, W.C.1.

PREMISES TO LET

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

ILFORD, ESSEX.—Fine opening for Chemist in sound trading position, at very moderate rent. Apply P. E. Brand, Ltd., 345 Eastern Avenue, Ilford, Essex.

STREATHAM, Knollys Parade; new shop to let; admirably suited for Chemist; no competition for ¾-mile radius. Apply, F. J. Davis, Ltd., Romeyn Road, S.W.16. Phone: Streatham 2892.

STRETFORD.—New Shop to be Let, with or without excellent living accommodation, in Edge Lane, adjoining cinema and station; excellent opeuing for Chemist and Optician. Roberts & Wood, 26 King Street, Manchester, 2.

AN opportunity at Edmonton for Chemist, opposite station, in a parade of shops, with flat over (self-contained), now let at £52 per annum; rental, shop and flat £156 per annum, exclusive; will grant long lease. Owner, 38 Church Street, Edmonton, N.9.

LOCK-UP SHOP, MAIDA VALE.—A unique opportunity of obtaining a Modern Shop in busy shopping position; thickly-populated district; rent £140 per annum (rising rental for approved tenant); excellent opening for Cash Chemist. Apply Sole Agents, Snell & Co., 47 Maida Vale, W.9. Cunningham 1181 (4 lines).

SHOPS TO LET

SPLENDID opportunity for Chemist and Druggist at entrance of large new estate at Purley; only 2 shops available; no opposition; rent £150; do not miss this wonderful chance. Write for full particulars to E. W. Perry & Daw, 7 and 8 Finsbury Square, E.C.2.

SUITABLE for Chemist; no opposition; Catford Hill, S.E.6, Modern Shop and upper part in prosperous terrace, comprising 4 bedrooms, bathroom, sitting room, kitchen, scullery and garden; electric light; rent £85 per annum. Apply, Cottrell & Rothon, 188 Brockley Road, Brockley, S.E.4.

WONDERFUL OPPORTUNITY for progressive man with limited capital to start his own business. PHILIP JOSEPHS & SONS, LTD., have an option on ten sites in blocks of buildings with most of the other shops taken by large Multiple Stores and having splendid prospects for the opening of a new Pharmacy. These can be rented COMPLETE WITH SHOPFRONT, INTERIOR FITTINGS, ROUNDS, SCALES, etc., to Tenant's own design and to value of FOUR HUNDRED POUNDS, together with flat over, at a figure of from £250 per annum. There is no premium required, and no capital repayments. Only the Stock is needed. Write or call PHILIP JOSEPHS & SONS, Ltd., 90/92 St. John Street, Clerkenwell, LONDON, E.C.1. Telephone Clerkenwell 4111/2. Pharmacy Fitters for over a century.

PARTNERSHIPS

ASSISTANT (Irish), Qualified Dispenser of the Apothecaries Hall, requires position London or suburbs, or would join Qualified Chemist as partner; all-round experience; first-class references; reasonable capital; good appearance, young and energetic. 237/3, Office of this Paper.

APARTMENTS

THE HAMPDEN RESIDENTIAL CLUB

FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms, 15s. to 22s. 6d. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

DIRECTORSHIPS

DIRECTOR required for new small Company to manufacture Toilet and Household goods of uuusual description; London district; qualification, £100; salaried position for working Director; Solicitors' and other references if required. Write, 237/1, Office of this Paper.

AGENCIES

GOOD Salesmen are scarce. Two Young Star Salesmen with unsurpassed Sales Records with Chemists and Allied Trades throughout Britain are now launching out as Manufacturers' Agents with a view later of establishing own Sales Force. Desire, on commission basis, first-class agencies. Highest references exchanged. P.C.B. 289/6, Office of this Paper.

EDUCATIONAL

14 WELL-PAID POSITIONS (as well as Openings for private practices) are open for students of the National School of Chiropody. Full iutensive course for complete qualification (M.N.I.Ch.) takes six months, at very moderate fees. Expert medical and technical staff, most modern equipment, and practical training in Foot Hospitals treating over 100,000 patients annually. Write for Prospectus to Secretary, National School of Chiropody (Dept. 90), 133 Upper Street, London, N.1.

APPOINTMENTS

CLAYTON HOSPITAL, WAKEFIELD

A DISPENSER, female (age 25 to 40), required September 1; M.P.S.; previous Hospital experience with a knowledge of Buying; initial salary £175 per annum, rising by annual increments of £10 to £225; 5 per cent. deduction for Federated Superannuation Scheme contributions. Applications, stating age, experience, etc., together with copies of three recent testimonials, to be sent immediately (within one week) to the Secretary-Superintendent, T. F. W. Mackeown.

METROPOLITAN HOSPITAL,
KINGSLAND ROAD, LONDON, E.8.

APPLICATIONS are invited from Registered Pharmacists for the position of Second Assistant in the Pharmaceutical Department. Federated Superannuation Scheme in force. Applications, stating salary required and giving full particulars accompanied by copies of not more than three recent testimonials should be received by the Secretary not later than July 30 next.

APPRENTICESHIP

COUNTY BOROUGH OF HALIFAX
HEALTH DEPARTMENT
STUDENT APPRENTICE in the DISPENSARY AT THE HALIFAX GENERAL HOSPITAL

APPLICATIONS are invited from GIRLS, not under 16 years of age, for the above appointment. Applicants should have the Prelimiuary Scientific Examination Certificate of the Pharmaceutical Society.

A premium of £25 will be required to be paid to the Council.

The Apprentice will be bound to the Council for a term of three years at the following remuneration:—

1st year	10/- per week.
2nd year	15/- per week.
3rd year	20/- per week.

Copies of Application Forms, together with further particulars of the appointment, may be obtained from the undersigned, and must be returned not later than first post on 2nd August, 1938.

(Signed) G. C. F. ROE,
Medical Officer of Health.

Health Offices,
Powell Street, Halifax.

SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BAKER STREET.—Qualified Assistant wanted; good Salesman. Application by letter giviug full particulars age, experience, salary, etc., The Berkeley Court Pharmacy, Ltd., 7 Melcombe Street, N.W.1.

BIRMINGHAM.—Immediate vacancy for Qualified Chemist. Apply, with details of past experience, etc., to 330/102, Office of this Paper.

BIRMINGHAM (NEAR).—Qualified Assistant required for middle-class business; commence August 15. Particulars to H. M. Tranmer, 42 High Street, Smethwick.

BRISTOL.—Qualified Assistant capable of Management. Apply, with usual particulars, salary required and when free. 239/7, Office of this Paper.

CLEVEDON, SOMERSET.—Qualified Assistant (male) in good-class Retail and Dispensing business. Full particulars to J. H. Shepherd, Pharmaceutical Chemist, 16 Hill Road, Clevedon, Som.

LONDON, E.5.—Qualified (male) required for good-class business; permanency for good all-round man; age a secondary consideration; also locum from July 25. 239/45, Office of this Paper.

LONDON.—Pharmacist required as Manager for branch shop in middle working-class district; good situation for reliable, energetic man. Apply, giving usual particulars, age, height, experience and salary required, to T. & E. Hutchings, Ltd., 60 Nunhead Lane, S.E.15.

LONDON, S.W.—Qualified Lady or Gentleman, one just Qualified would suit, for permanent progressive post; also part-time Qualified for Sundays and Wednesday evenings. Apply 331/107, Office of this Paper.

LONDON, W.—Qualified Assistant wanted; good Salesman, Window-dresser, etc. Application by letter first, giving full particulars age, experience, salary, etc., to Hayman & Freeman, 93 Piccadilly, London, W.1.

LONDON, W.—Qualified, experienced Assistants required for day and night duty; good salary and reasonable hours; unimpeachable references essential.
JUNIOR just finished Apprenticeship; opportunity of gaining first-class experience.
LADY TOILET Assistant, with experience in Beauty Treatments and Window Display. 330/106, Office of this Paper.

MANCHESTER DISTRICT.—Registered Manager required for branch shop; early August; must be a capable busiuess builder. Please state age, experience and salary required. 239/35, Office of this Paper.

NORTHAMPTON.—Qualified Lady Chemist required immediately; good prospects; permanency. Apply, giving particulars, to 330/101, Office of this Paper.

NORTH DERBYSHIRE.—Vacancy occurs for Lady Chemist in busy Pharmacy; permanent appointment to suitable applicant. Apply 330/100, Office of this Paper.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

NORTH LONDON.—Qualified Manager required for brisk Family middle-class type of business; excellent prospects to man with experience and energy. Apply 330/103, Office of this Paper.

SOUTH KENSINGTON.—Assistant required, Qualified or Unqualified; male; one who has had experience in good-class Dispensing and Retail business. Apply by letter only, with full particulars of experience and salary required, W. Green, 156 Cromwell Road, London, S.W.7.

SURREY.—Unqualified Assistant (male), with all-round experience; single; willing and capable, for Dispensing, Counter and Display; good prospects for suitable applicant (no Welsh). State full particulars, experience, age, salary, outdoors. Applicants not answered in 4 days respectfully declined. 239/46, Office of this Paper.

WALSALL Co-operative Society, Ltd., require an Unqualified Chemist's Assistant, for their Cannock branch shop; trade union wage; to start in September. Application must be made on the printed form to be obtained from the Head Office, Walsall and District Co-operative Society, Limited, Bridge Street, Walsall. Completed forms to be returned to the Head Office, together with copies only of testimonials by Wednesday, August 3rd. Envelopes to be endorsed "Chemist Assistant." The successful applicant must produce doctor's certificate of fitness. (Canvassing will disqualify applicant.)

IMMEDIATELY.—Young Qualified Assistant (male); permanency and excellent prospects. Apply, with references, stating age, experience, etc., to L. W. Kinleside, Ltd., 106 Northfield Avenue, Ealing, W.13.

LADY Assistant, Unqualified, required early September; permanency; with good Dispensing experience and accustomed to the better-class Toilet Preparations. Please give full particulars of experience, salary, etc., to Frank Wreford, 14 Neasden Parade, Neasden, London, N.W.10. Telephone Gladstone 4023.

NEAR Brighton, Qualified; permanency. Please state when free and salary required. 240/6, Office of this Paper.

PERFUMERY.—Smart Saleswoman required as First Hand; must be thoroughly conversant with all Cosmetics. Apply to Mr. Brown, Chief Chemist, Drug Dept., John Barker & Co., Ltd., Kensington, W.8.

QUALIFIED Assistant (Lady), required immediately for business near Bournemouth. Apply, stating age, experience, salary required (enclose photograph), 237/5, Office of this Paper.

QUALIFIED Assistant, M.P.S., required immediately, London, S.E.; permanency; for usual Counter duties and Dispensing; £4. 239/10 Office of this Paper.

QUALIFIED Assistant wanted soon as possible; suit young lady just Qualified or elderly Pharmacist; comfortable post; no Sunday duty. Please send full particulars and references to 240/3, Office of this Paper.

QUALIFIED lady or gentleman Assistant, young, preferably just Qualified; permanency; London, S.E. suburb; no Sunday or holiday duty. Age, experience and salary required and when disengaged. 239/9, Office of this Paper.

QUALIFIED Man (under 30) required for progressive business, S.W. London; permanency; with view to management later for suitable man; commence £4 10s. weekly. Please state age, height, details of experience and when at liberty in first letter; photo (returnable) if convenient. 239/47, Office of this Paper.

REQUIRED.—Qualified Chemist; good Dispenser and accustomed to Counter; reliable and capable of taking charge. State salary and give usual particulars; interview. Devons Drug Stores, 14 Devous Road, E.3.

TIMOTHY WHITES & TAYLORS require several Managers in London and South of England for supernumerary duties in first instance; permanent appointments in due course to suitable applicants. Particulars should be sent to Retail Staff Manager, 70 Vauxhall Bridge Road, London, S.W.1.

UNQUALIFIED Assistant (Male), for counter service for good middle-class Pharmacy; must have satisfactory references from last two employers. Please give full particulars and enclose photograph, Wain, Chemist, Ripley, near Derby.

UNQUALIFIED Assistant (Male) required for September 12; young, but well experienced Dispensing and General Retail with quick N.H.I.; permanency; also Qualified Locum for week in July, August or early September. Full particulars to Freeman, Ph. Chemist, St. Albans.

UNQUALIFIED Junior Assistant required; must be well trained and used to high-class Pharmacy. Apply stating age, salary required, giving references, and enclosing photograph to The Secretary, G. E. Bridge & Co., Ltd., 125 Old Christchurch Road, Bournemouth.

VACANCY.—Branch Manager (Middlesex) occurs for young Qualified Pharmacist; position offers good prospects for advancement to a man taking interest and showing initiative. Applicants should state previous experience, age, height (photo if possible; will be returned) and salary required to 238/3, Office of this Paper.

VACANCY, for Unqualified Male, occurs at Staines, Middlesex, offering excellent Dispensing, Hospital and good-class Counter and Photographic experience. State age, height, previous experience, etc., to E. Moss, Ltd., Fern Grove, Feltham, Middx.

WANTED immediately, Qualified Dispenser (Lady), outdoor, by Doctors (Sussex); salary £2 10s. per week. State age, experience, and give reference to 238/5, Office of this Paper.

YOUNG Qualified Assistant (Gentleman) required; Counter and Dispensing. State age, experience, salary required, references, etc., to W. B. Stather, Chemist, 34 Infirmary Road, Sheffield.

YOUNG Qualified Chemist, experienced in all branches. Apply Phillips & Son, Ltd., 48 Wallgate, Wigan.

VACANCIES FOR LOCUMS

JUNIOR Dispenser required as Locum for 3 to 6 months; good salary to suitable man. Apply with references to Secretary, Drs. Shaw & Co., Bear Street, Barnstaple.

LADY Assistant (age about 25 years), Unqualified, wanted at once for 6 weeks' duty in Isle of Wight; every possibility of permanency. Apply, giving full details of experience in first letter, to 330/105, Office of this Paper.

LONDON, S.E.—Wanted for Provident Dispensary, holiday duty, Qualified Pharmacist, sole charge; four weeks commencing August 8. Apply 239/53, Office of this Paper.

NEAR WANDSWORTH.—Qualified Locum required immediately for at least 5 weeks, probably longer, to manage small easily run shop. Send full particulars regarding age, experience, salary, etc., to Bernard Phillips, Ltd., 27 Northcote Road, S.W.11.

QUALIFIED Lady required for one week, July or August; S.W. district. 239/55, Office of this Paper.

QUALIFIED Locum Pharmacist wanted (Assistant kept), preferably with some Hospital experience—from August 16 to September 10 inclusive; Salary 4 guineas weekly, with lunch and tea. Reply to Secretary, West Kent General Hospital, Maidstone.

QUALIFIED Man wanted for relief work; view permanent management later of new Pharmacy to be opened September in good residential district S.W., with scope for Optics; living accommodation; also reliable Unqualified (about 25), good references essential. Usual particulars, 239/27, Office of this Paper.

RELIEF Manager required at once; London; suit Junior Qualified; permanent appointment with management in view when experienced. 330/104, Office of this Paper.

REQUIRED, August 13-27, Gentlemanly Unqualified Assistant as Locum; moderate salary; duties light. Salary required, etc. (enclose snap if possible), apply The Drug Stores, Broad Street, Leominster, Herefordshire.

THE Royal Arsenal Co-operative Society, Ltd., has vacancies as follows:—PHARMACY: Qualified and Unqualified male Assistants required for holiday relief. Apply in writing, stating age and experience, to the Staff Manager, 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." *Note.*—Canvassing of members of the General Committee or Officials will disqualify.

UNQUALIFIED Locum required, August 15-20 inclusive. State terms and experience. Maida Vale district. 239/21, Office of this Paper.

WHOLESALE

LONDON.—A well-known firm requires an experienced Analytical Chemist, accustomed to responsibility to take charge of their Control Laboratory; Fellowship of the Institute (Branch E) is essential; Pharmaceutical Qualifications additionally preferred. Applications, stating qualifications, experience and salary required to be marked "Confidential" and addressed to Managing Director, 330/1000, Office of this Paper.

D. MAWDSLEY & CO., 2-6 Riga Street, Manchester, 4, require energetic and capable Representatives for:—

1. Staffordshire.
2. West Riding of Yorkshire.

Applicants must have established connexion and a full knowledge of Chemists' Sundries. State age, experience and salary required, etc., and address applications to the Sundries Department.

MANUFACTURER requires Representative for West of England on small salary and exceptionally large commission; attractive Toilet goods and perfumery lines with strong sales appeal. Applicants must cover territory with car and carry stock. Write, giving full personal particulars, to 330/994, Office of this Paper.

REPRESENTATIVE, on commission, carrying one or two other suitable houses, wanted by makers of Pastilles, etc., for Yorkshire. State full particulars and territory. 330/995, Office of this Paper.

REPRESENTATIVE required to carry a Toilet Preparation as a side line on a liberal commission basis; an original attractive line, easy to place. 236/40, Office of this Paper.

WRIGHT, LAYMAN & UMNEY, LTD., require an experienced Drug Grinder for Edge Runner Mills and Disintegrator. Apply 66 Park Street, Southwark, S.E.1.

YOUNG experienced Tablet maker required. Reply, stating experience, to 330/999, Office of this Paper.

YOUNG Man required to call on Chemists for Propaganda work in the Provinces; must be able to drive a car and hold a clean licence; excellent opportunity for the right man to be trained as a representative. 330/998, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

SINGAPORE.—Junior Assistant (about 23-4), M.P.S. degree, required for Medical Hall, Ltd.; Scotsman preferred; single, active worker; healthy climate, four years' agreement; passage paid out and back; salary 300 dollars per mensem, rising by annual increments of 25 dollars per mensem to 375 dollars per mensem in fourth year; dollar equals 2s. 4d. sterling; successful applicant to pass medical examination. Apply by writing, with full particulars of height, service, copies only of testimonials, and photograph if available, to John Duthie, M.P.S., 37 Castle Street, Fraserburgh.

QUALIFIED Chemist and Optician required for important retail Pharmacy in Uganda; one with Optical qualifications preferred; should be single, between ages of 20 and 30. Write, with full details, giving age and experience, and photograph, to The British Drug Houses, Ltd., Export Department, London.

SITUATIONS WANTED

RETAIL (HOME)

2s. for 18 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.—MANAGER, Qualified (40), requires change; S.W. London; used busy trade; excellent experience, all branches, and references. 239/40, Office of this Paper.

ADVERTISER desires post as Manager-Buyer; take complete control; many years' experience; on/near South Coast, Sussex. 238/7, Office of this Paper.

ASSISTANT, Lady, (Hall), (over 30), experienced with Chemists, requires post S.E. London or South Coast; permanent preferred. 239/19, Office of this Paper.

ASSISTANT (25); good all-round experience, excellent references; seeks part-time situation in Birmingham district from October next, whilst attending Part II Course; available evenings, Sunday to Friday, all day Saturday. W. Hilton, 203 Allesley Old Road, Coventry.

ASSISTANT (29), seeks post; high-class West End experience, free, excellent references. Chemicus, 63 Abingdon Road, Kensington.

A QUALIFIED Manager desires change; progressive position in good-class district appreciated; 20 years' managerial experience; excellent testimonials; London area preferred, or West Country seaside. "M.P.S.," 24 Sunbury Way, Hanworth, Middlesex.

BIRMINGHAM DISTRICT.—Manager desires change; wide experience all branches; Salesmanship, Display, Photo; post with responsibility and prospects wanted. 239/43, Office of this Paper.

CHEMIST-OPTICIAN, O.B.A.C., 5 ft. 9 in. (28), own Optical equipment, tools, frames, display, etc.; Managerial post, London. 239/30, Office of this Paper.

MANAGER (33), tall, requires position of trust; experienced, well recommended; can wait for suitable post. 239/52, Office of this Paper.

PART-TIME.—Qualified Pharmacist requires evening duty in London area; excellent experience and references; moderate terms. Apply, 239/49, Office of this Paper.

SENIOR Pharmacist, London and West End experienced, requires similar position, or Executive or Managerial; staff control. P.C.B. 289/10, Office of this Paper.

UNQUALIFIED Assistant (middle aged) desiring a change requires situation; highly recommended; Lancashire district preferred. 240/5, Office of this Paper.

UNQUALIFIED (22) desires permanency; experienced Counter, Dispensing; exceptional Salesman; excellent references; 5 years' experience London and Wales; 239/4, Office of this Paper.

YORK, or reasonable distance, well experienced capable all-round Assistant (Unregistered) desires berth; experienced London, seaside, provinces; used good-class Dispensing, Counter, Windows, Vet. and Agricultural, some Optics. A. C. R., 40 Shipbourne Road, Tonbridge, Kent.

LOCUMS SEEKING ENGAGEMENTS

BIRMINGHAM District, North Wales, Peterborough area, or London preferred; Locum work taken; first-class references. Hanley, 180 Lozells Road, Birmingham.

EXPERIENCED Locum has dates in August. Qualified Locum, c/o T. A. Taylor, Chemist, Central Parade, Hendon Central, N.W.4. Phone Hendon 2634.

LOCUM, experienced Dispenser and Counter man, disengaged July 23 to September 10. Benson, 15 Grove Hill, South Woodford, London, E.18.

LOCUM, free July 25 to August 6; Qualified; Leeds or Bradford districts preferred. F. B. di Menna, 44 Fagley Road, Bradford. Phone: Bradford 7678.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.
Why keep them any longer? Turn them into CASH.
I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
S. E. HACKETT, 23 July Road, Liverpool

LOCUM, Qualified, disengaged (from Sidcup, Kent), August 19 to August 25 inclusive. S. Hoskins, c/o Gafan, Chemist, Urmston, Manchester.

LOCUM, Qualified; free July 25 onwards. Phone Leytonstone 3432. "Pharmacist," 118 Durham Road, Feltham, Middlesex.

LOCUM (48), Qualified, free August 1 to August 7. State terms. Chemist, 40 Highfield Road, Hinckley, Staffs.

M.P.S., EXPERIENCED (32), requires Locums; references; free August 1 onwards. Taylor 8A Grove Road, N.W.2; Phone Willesden 2504.

M.P.S. (27, 5 ft. 11 in., single) desires Locum or permanency; experienced West End, Coastal and Provincial; free immediately. Write H. M. Broadbent, 4 Castleton Crescent, Skegness, Lincs.

QUALIFIED Locum; experienced in all branches; free immediately; London preferably. M. A. Gordon, 83 Teignmouth Road, N.W.2.

QUALIFIED (45), recently disposed of own business (16 years), requires Locum work during August; post as Superindent or Manager with view to permanency. Pharmacist, 62 St. Lawrence Avenue, Worthing.

UNQUALIFIED Assistant (20), seeks holiday engagement to September 10; trained good-class business. Barlow, 10 Ratcliffe Avenue, Ryde.

WHOLESALE

ADVERTISER having first-class experience as Manufacturer of Toilet Preparations and Cosmetics, seeks post or part-time; own formulary. 227/36, Office of this Paper.

ADVERTISER, with wide Pharmaceutical and Travelling experience, of engaging personality, seeks position as Representative of firms dealing in Pharmaceutical, Medical, Photographic or Proprietary lines; forceful Salesman. Apply 21 Seely Road, Nottingham.

A REPRESENTATIVE calling on Chemists, Hairdressers and Stores in Hampshire and Dorset, also Isle of Wight, looking for an additional line (advertised); part expenses and commission (no exploiters); car owner. 241/3, Office of this Paper.

A.1.—WELL-KNOWN Representative, 16 years' London and country experience selling Proprietary, Toilet and Beauty Products; 2 years' sales management; excellent testimonials; desires progressive position. 237/2, Office of this Paper.

COSMETICS.—Advertiser seeks situation; first-class experience of Formulating and Compounding all types and grades of Cosmetics and Toilet Preparations; go anywhere if prospects. 238/6, Office of this Paper.

FIRST-CLASS Representative travelling North of Thames, desires other lines; must be Chemist's Friends or well-advertised; terms, 60s. and commission. Box P.C.B. 289/2, Office of this Paper.

FOREIGN Correspondent; fluent Spanish and German, fair English; aged 32; several years with present well-known firm, Pharmaceuticals and Chemicals; desires change, improve English and further experience. P.C.B. 289/7, Office of this Paper.

GENTLEMAN (32), Qualified, 15 years' experience Retail, Representative, possessing initiative, ideas, drive, requires executive post with prospects and salary commensurate with experience and Qualification. Please send full details salary, etc., 238/2, Office of this Paper.

IRELAND.—Young Qualified Irish Chemist, University trained, wishes to represent English Firm or Medical Propaganda work; excellent knowledge Therapeutics, Sera, etc.; gentlemanly appearance; well connected with Chemists and Doctors. 233/4, Office of this Paper.

MIDLANDS.—50 miles around Birmingham; well-known Representative can accept two additional Agencies on part expenses and commission; 4 months' journey covers all Retail and Wholesale Buyers. 330/996, Office of this Paper.

REPRESENTATIVE, M.P.S., leading connexion for many years over all Ireland; Hospitals, Doctors, Chemists; first-class knowledge Therapeutics, Endocrinology, Sera, Vaccine Therapy; disengaged September. Chemist, 11 Cunningham Place, N.W.8.

TABLET Maker, all-round knowledge, 20 years' experience; Granulating, Compressing, Coating; knowledge of Pill-making. 237/8, Office of this Paper.

YOUNG Representative (24) desires permanency; London/East Counties; Sundries House experience; keen Salesman; large connexion; own car. 239/16, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

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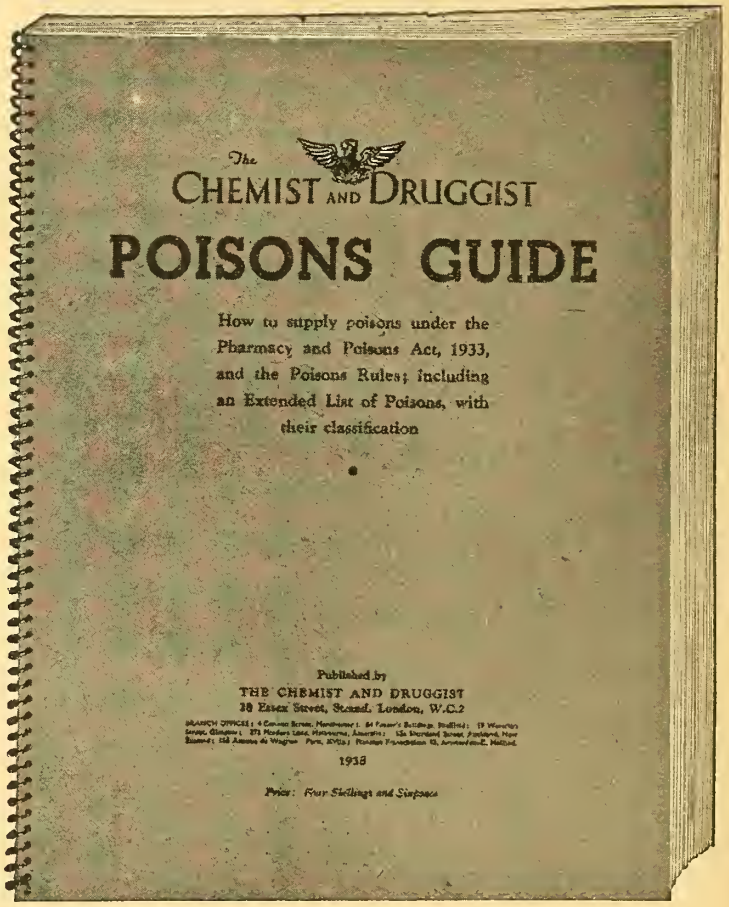

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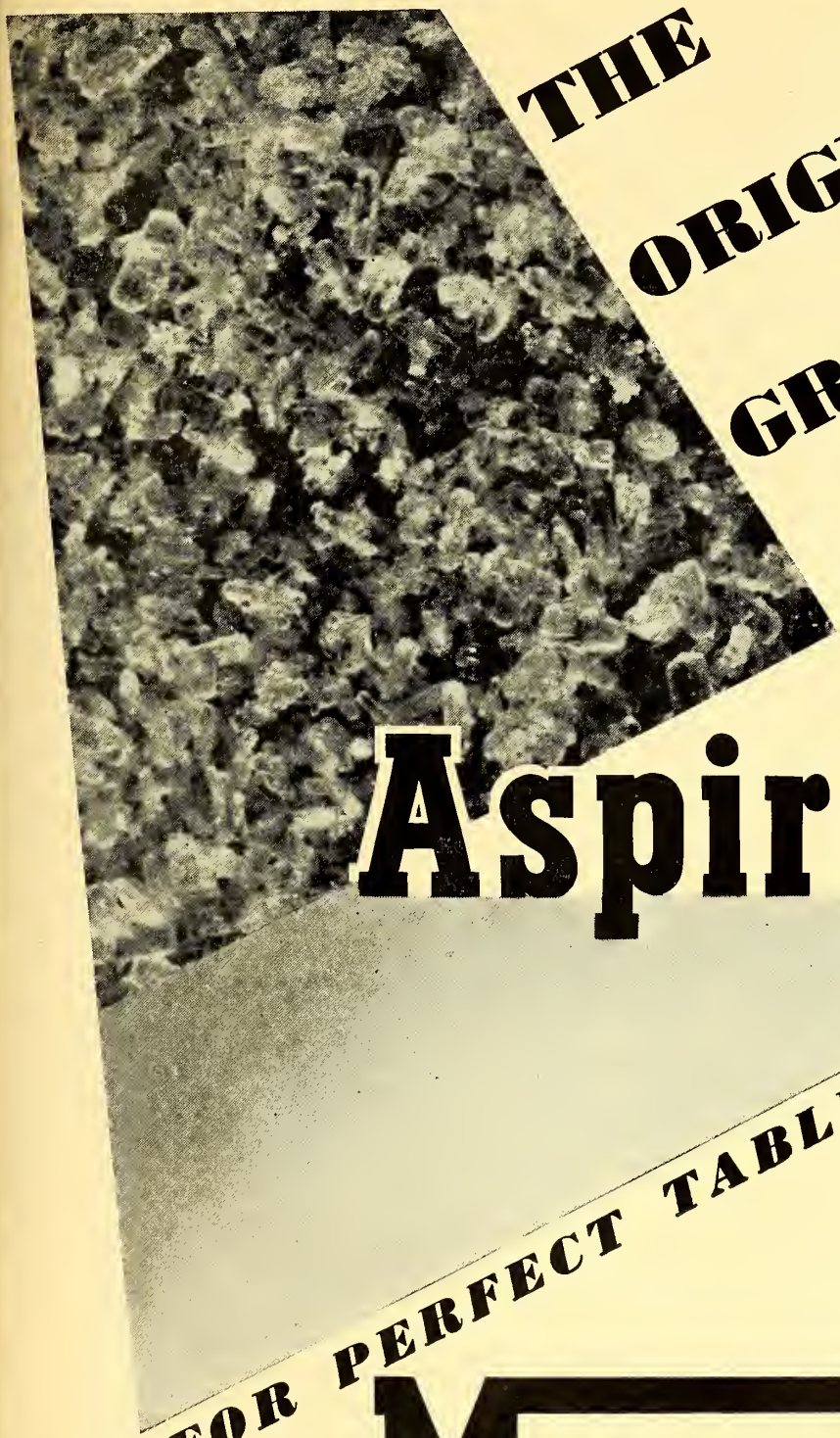

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